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UNIVERSITY OF ILLINOIS  
JUN 1914

14

# BRYN MAWR COLLEGE

## CALENDAR

### UNDERGRADUATE AND GRADUATE COURSES

1913



BRYN MAWR, PENNSYLVANIA.

Published by Bryn Mawr College.

May, 1913.

Volume VI. Part 3.





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# BRYN MAWR COLLEGE

8

## CALENDAR

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BRYN MAWR COLLEGE CALENDAR

1913.

PART 1. Register of Alumnæ and Former Students.

PART 2. Graduate Courses.

PART 3. Undergraduate and Graduate Courses.

PART 4. Academic Buildings and Halls of Residence,  
Plans and Descriptions.



# BRYN MAWR COLLEGE.

## COLLEGE CALENDAR.

1913.

| JANUARY.  |    |     |    |     |     |     | JULY.      |    |     |    |     |     |     |
|-----------|----|-----|----|-----|-----|-----|------------|----|-----|----|-----|-----|-----|
| Su.       | M. | Tu. | W. | Th. | Fr. | Sa. | Su.        | M. | Tu. | W. | Th. | Fr. | Sa. |
| ..        | .. | ..  | 1  | 2   | 3   | 4   | ..         | .. | 1   | 2  | 3   | 4   | 5   |
| 5         | 6  | 7   | 8  | 9   | 10  | 11  | 6          | 7  | 8   | 9  | 10  | 11  | 12  |
| 12        | 13 | 14  | 15 | 16  | 17  | 18  | 13         | 14 | 15  | 16 | 17  | 18  | 19  |
| 19        | 20 | 21  | 22 | 23  | 24  | 25  | 20         | 21 | 22  | 23 | 24  | 25  | 26  |
| 26        | 27 | 28  | 29 | 30  | 31  | ..  | 27         | 28 | 29  | 30 | 31  | ..  | ..  |
| ..        | .. | ..  | .. | ..  | ..  | ..  | ..         | .. | ..  | .. | ..  | ..  | ..  |
| FEBRUARY. |    |     |    |     |     |     | AUGUST.    |    |     |    |     |     |     |
| 2         | 3  | 4   | 5  | 6   | 7   | 1   | 3          | 4  | 5   | 6  | 7   | 1   | 2   |
| 9         | 10 | 11  | 12 | 13  | 14  | 15  | 10         | 11 | 12  | 13 | 14  | 15  | 16  |
| 16        | 17 | 18  | 19 | 20  | 21  | 22  | 17         | 18 | 19  | 20 | 21  | 22  | 23  |
| 23        | 24 | 25  | 26 | 27  | 28  | 29  | 24         | 25 | 26  | 27 | 28  | 29  | 30  |
| ..        | .. | ..  | .. | ..  | ..  | ..  | 31         | .. | ..  | .. | ..  | ..  | ..  |
| MARCH.    |    |     |    |     |     |     | SEPTEMBER. |    |     |    |     |     |     |
| 2         | 3  | 4   | 5  | 6   | 7   | 1   | ..         | 1  | 2   | 3  | 4   | 5   | 6   |
| 9         | 10 | 11  | 12 | 13  | 14  | 15  | 7          | 8  | 9   | 10 | 11  | 12  | 13  |
| 16        | 17 | 18  | 19 | 20  | 21  | 22  | 14         | 15 | 16  | 17 | 18  | 19  | 20  |
| 23        | 24 | 25  | 26 | 27  | 28  | 29  | 21         | 22 | 23  | 24 | 25  | 26  | 27  |
| 30        | 31 | ..  | .. | ..  | ..  | ..  | 28         | 29 | 30  | .. | ..  | ..  | ..  |
| ..        | .. | ..  | .. | ..  | ..  | ..  | ..         | .. | ..  | .. | ..  | ..  | ..  |
| APRIL.    |    |     |    |     |     |     | OCTOBER.   |    |     |    |     |     |     |
| 6         | 7  | 8   | 9  | 10  | 11  | 12  | ..         | .. | 1   | 2  | 3   | 4   | 5   |
| 13        | 14 | 15  | 16 | 17  | 18  | 19  | 12         | 13 | 14  | 15 | 16  | 17  | 18  |
| 20        | 21 | 22  | 23 | 24  | 25  | 26  | 19         | 20 | 21  | 22 | 23  | 24  | 25  |
| 27        | 28 | 29  | 30 | ..  | ..  | ..  | 26         | 27 | 28  | 29 | 30  | 31  | ..  |
| ..        | .. | ..  | .. | ..  | ..  | ..  | ..         | .. | ..  | .. | ..  | ..  | ..  |
| MAY.      |    |     |    |     |     |     | NOVEMBER.  |    |     |    |     |     |     |
| 4         | 5  | 6   | 7  | 8   | 9   | 10  | ..         | 2  | 3   | 4  | 5   | 6   | 1   |
| 11        | 12 | 13  | 14 | 15  | 16  | 17  | 9          | 10 | 11  | 12 | 13  | 14  | 15  |
| 18        | 19 | 20  | 21 | 22  | 23  | 24  | 16         | 17 | 18  | 19 | 20  | 21  | 22  |
| 25        | 26 | 27  | 28 | 29  | 30  | 31  | 23         | 24 | 25  | 26 | 27  | 28  | 29  |
| ..        | .. | ..  | .. | ..  | ..  | ..  | 30         | .. | ..  | .. | ..  | ..  | ..  |
| JUNE.     |    |     |    |     |     |     | DECEMBER.  |    |     |    |     |     |     |
| 1         | 2  | 3   | 4  | 5   | 6   | 7   | ..         | 1  | 2   | 3  | 4   | 5   | 6   |
| 8         | 9  | 10  | 11 | 12  | 13  | 14  | 7          | 8  | 9   | 10 | 11  | 12  | 13  |
| 15        | 16 | 17  | 18 | 19  | 20  | 21  | 14         | 15 | 16  | 17 | 18  | 19  | 20  |
| 22        | 23 | 24  | 25 | 26  | 27  | 28  | 21         | 22 | 23  | 24 | 25  | 26  | 27  |
| 29        | 30 | ..  | .. | ..  | ..  | ..  | 28         | 29 | 30  | 31 | ..  | ..  | ..  |
| ..        | .. | ..  | .. | ..  | ..  | ..  | ..         | .. | ..  | .. | ..  | ..  | ..  |

1914.

| JANUARY. |    |     |    |     |     |     | FEBRUARY. |    |     |    |     |     |     |
|----------|----|-----|----|-----|-----|-----|-----------|----|-----|----|-----|-----|-----|
| Su.      | M. | Tu. | W. | Th. | Fr. | Sa. | Su.       | M. | Tu. | W. | Th. | Fr. | Sa. |
| ..       | .. | ..  | .. | 1   | 2   | 3   | 1         | 2  | 3   | 4  | 5   | 6   | 7   |
| 4        | 5  | 6   | 7  | 8   | 9   | 10  | 8         | 9  | 10  | 11 | 12  | 13  | 14  |
| 11       | 12 | 13  | 14 | 15  | 16  | 17  | 15        | 16 | 17  | 18 | 19  | 20  | 21  |
| 18       | 19 | 20  | 21 | 22  | 23  | 24  | 22        | 23 | 24  | 25 | 26  | 27  | 28  |
| 25       | 26 | 27  | 28 | 29  | 30  | 31  | ..        | .. | ..  | .. | ..  | ..  | ..  |
| ..       | .. | ..  | .. | ..  | ..  | ..  | ..        | .. | ..  | .. | ..  | ..  | ..  |
| MARCH.   |    |     |    |     |     |     | APRIL.    |    |     |    |     |     |     |
| 1        | 2  | 3   | 4  | 5   | 6   | 7   | ..        | .. | 1   | 2  | 3   | 4   | 5   |
| 8        | 9  | 10  | 11 | 12  | 13  | 14  | 12        | 13 | 14  | 15 | 16  | 17  | 18  |
| 15       | 16 | 17  | 18 | 19  | 20  | 21  | 19        | 20 | 21  | 22 | 23  | 24  | 25  |
| 22       | 23 | 24  | 25 | 26  | 27  | 28  | 26        | 27 | 28  | 29 | 30  | ..  | ..  |
| 29       | 30 | 31  | .. | ..  | ..  | ..  | ..        | .. | ..  | .. | ..  | ..  | ..  |
| ..       | .. | ..  | .. | ..  | ..  | ..  | ..        | .. | ..  | .. | ..  | ..  | ..  |
| MAY.     |    |     |    |     |     |     | JUNE.     |    |     |    |     |     |     |
| 3        | 4  | 5   | 6  | 7   | 8   | 9   | ..        | 1  | 2   | 3  | 4   | 5   | 6   |
| 10       | 11 | 12  | 13 | 14  | 15  | 16  | 7         | 8  | 9   | 10 | 11  | 12  | 13  |
| 17       | 18 | 19  | 20 | 21  | 22  | 23  | 14        | 15 | 16  | 17 | 18  | 19  | 20  |
| 24       | 25 | 26  | 27 | 28  | 29  | 30  | 21        | 22 | 23  | 24 | 25  | 26  | 27  |
| 31       | .. | ..  | .. | ..  | ..  | ..  | 28        | 29 | 30  | .. | ..  | ..  | ..  |
| ..       | .. | ..  | .. | ..  | ..  | ..  | ..        | .. | ..  | .. | ..  | ..  | ..  |

The academic year will close with the Conferring of Degrees at eleven o'clock, on June 4th, 1914.



## ACADEMIC YEAR, 1913-14.

|                 |   |
|-----------------|---|
| September 23rd. | Matriculation examinations begin.   |
| September 29th. | Registration of students. Halls of Residence open for students at three p. m.   |
| September 30th. | Registration of students.<br>Matriculation examinations end.                    |
| October 1st.    | The work of the twenty-ninth academic year begins at a quarter to nine o'clock. |
| October 2nd.    | Examinations for advanced standing begin.                                       |
| October 18th.   | Senior oral examination in French.  |
| October 23rd.   | Examinations for advanced standing end.   |
| October 25th.   | Senior oral examination in German.  |
| November 17th.  | Collegiate and matriculation condition examinations begin.                      |
| November 25th.  | Collegiate and matriculation condition examinations end.                        |
| November 26th.  | Thanksgiving vacation begins at one o'clock.                                    |
| December 1st.   | Thanksgiving vacation ends at nine o'clock.                                     |
| December 6th.   | Senior oral examinations in French and German.                                  |
| December 22nd.  | Christmas vacation begins at one o'clock.                                       |
| January 6th.    | Christmas vacation ends at nine o'clock.  |
| January 15th.   | Matriculation examinations begin.   |
| January 21st.   | Half-yearly collegiate examinations begin.                                      |
| January 31st.   | Collegiate examinations end.<br>Annual meeting of the Alumnae Association.      |
| February 2nd.   | Vacation.   |
| February 3rd.   | Vacation.<br>Matriculation examinations end.                                    |
| February 4th.   | The work of the second semester begins at a quarter to nine o'clock.            |
| February 5th.   | Examinations for advanced standing begin.                                       |
| February 26th.  | Examinations for advanced standing end.   |
| March 14th.     | Senior oral examinations in French and German.                                  |
| March 30th.     | Collegiate and matriculation condition examinations begin.                      |
| April 1st.      | Mid-semester examinations in matriculation Greek, German and French.            |
| April 4th.      | Collegiate and matriculation condition examinations end.                        |
| April 8th.      | Easter vacation begins at one o'clock.  |
| April 16th.     | Easter vacation ends at nine o'clock.   |
| May 9th.        | Senior oral examinations in French and German.                                  |
| May 19th.       | Vacation.   |
| May 20th.       | Collegiate examinations begin.  |
| May 28th.       | Matriculation examinations begin.   |
| May 30th.       | Collegiate examinations end.  |

June 3rd. Matriculation examinations end.  
June 4th. Conferring of degrees and close of twenty-ninth  
academic year.

ACADEMIC YEAR, 1914-15.

September 22nd. Matriculation examinations begin.  
September 28th. Registration of students. Halls of Residence open for  
students at three p. m.  
September 29th. Registration of students.  
Matriculation examinations end.  
September 30th. The work of the thirtieth academic year begins at  
a quarter to nine o'clock.



## SPRING, 1913.

## THURSDAY, MAY 29.

|                        |                              |
|------------------------|------------------------------|
| <i>Minor Latin, A,</i> | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Trigonometry,</i>   | $9\frac{1}{2}-11\frac{1}{2}$ |
| <i>Minor Latin, B,</i> | $2\frac{1}{2}-5\frac{1}{2}$  |
| <i>Solid Geometry,</i> | $2\frac{1}{2}-4\frac{1}{2}$  |

## FRIDAY, MAY 30.

|                               |                              |
|-------------------------------|------------------------------|
| <i>English Composition,</i>   | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>English Grammar, etc.,</i> | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Poets,</i>           | $4\frac{3}{4}-5\frac{3}{4}$  |

## SATURDAY, MAY 31.

|                                       |                             |
|---------------------------------------|-----------------------------|
| <i>Algebra,</i>                       | $9\frac{1}{2}-12$           |
| <i>Latin Poets,</i>                   | $2\frac{1}{2}-4$            |
| <i>Greek Grammar and Composition,</i> | $4\frac{1}{4}-5\frac{1}{4}$ |

## AUTUMN, 1913.

## TUESDAY, SEPTEMBER 23.

|                               |                              |
|-------------------------------|------------------------------|
| <i>English Composition,</i>   | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>English Grammar, etc.,</i> | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Poets,</i>           | $4\frac{3}{4}-5\frac{3}{4}$  |

## WEDNESDAY, SEPTEMBER 24.

|                                       |                             |
|---------------------------------------|-----------------------------|
| <i>Algebra,</i>                       | $9\frac{1}{2}-12$           |
| <i>Latin Poets,</i>                   | $2\frac{1}{2}-4$            |
| <i>Greek Grammar and Composition,</i> | $4\frac{1}{4}-5\frac{1}{4}$ |

## THURSDAY, SEPTEMBER 25.

|                             |                              |
|-----------------------------|------------------------------|
| <i>French,</i>              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>History,</i>             | $2\frac{1}{2}-4$             |
| <i>Greek Prose Authors,</i> | $4\frac{1}{4}-5\frac{1}{4}$  |

## FRIDAY, SEPTEMBER 26.

|                           |                             |
|---------------------------|-----------------------------|
| <i>Geometry,</i>          | $9\frac{1}{2}-12$           |
| <i>Latin Composition,</i> | $2\frac{1}{2}-4$            |
| <i>Science,</i>           | $4\frac{1}{4}-5\frac{1}{4}$ |

## SATURDAY, SEPTEMBER 27.

|                             |                              |
|-----------------------------|------------------------------|
| <i>German,</i>              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Latin Prose Authors,</i> | $2\frac{1}{2}-4\frac{1}{2}$  |

## WEDNESDAY, OCTOBER 1.

|                        |                              |
|------------------------|------------------------------|
| <i>Minor Latin, A,</i> | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Trigonometry,</i>   | $2\frac{1}{2}-4\frac{1}{2}$  |

## THURSDAY, OCTOBER 2.

|                        |                              |
|------------------------|------------------------------|
| <i>Minor Latin, B,</i> | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Solid Geometry,</i> | $2\frac{1}{2}-4\frac{1}{2}$  |

## MONDAY, JUNE 2.

|                             |                              |
|-----------------------------|------------------------------|
| <i>French,</i>              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>History,</i>             | $2\frac{1}{2}-4$             |
| <i>Greek Prose Authors,</i> | $4\frac{1}{4}-5\frac{1}{4}$  |

## TUESDAY, JUNE 3.

|                           |                             |
|---------------------------|-----------------------------|
| <i>Geometry,</i>          | $9\frac{1}{2}-12$           |
| <i>Latin Composition,</i> | $2\frac{1}{2}-4$            |
| <i>Science,</i>           | $4\frac{1}{4}-5\frac{1}{4}$ |

## WEDNESDAY, JUNE 4.

|                             |                              |
|-----------------------------|------------------------------|
| <i>German,</i>              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Latin Prose Authors,</i> | $2\frac{1}{2}-4\frac{1}{2}$  |

## WINTER, 1914.

## THURSDAY, JANUARY 15.

|                               |                              |
|-------------------------------|------------------------------|
| <i>English Composition,</i>   | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>English Grammar, etc.,</i> | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Poets,</i>           | $4\frac{3}{4}-5\frac{3}{4}$  |

## FRIDAY, JANUARY 16.

|                                       |                             |
|---------------------------------------|-----------------------------|
| <i>Algebra,</i>                       | $9\frac{1}{2}-12$           |
| <i>Latin Poets,</i>                   | $2\frac{1}{2}-4$            |
| <i>Greek Grammar and Composition,</i> | $4\frac{1}{4}-5\frac{1}{4}$ |

## SATURDAY, JANUARY 17.

|                             |                              |
|-----------------------------|------------------------------|
| <i>French,</i>              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>History,</i>             | $2\frac{1}{2}-4$             |
| <i>Greek Prose Authors,</i> | $4\frac{1}{4}-5\frac{1}{4}$  |

## MONDAY, JANUARY 19.

|                           |                             |
|---------------------------|-----------------------------|
| <i>Geometry,</i>          | $9\frac{1}{2}-12$           |
| <i>Latin Composition,</i> | $2\frac{1}{2}-4$            |
| <i>Science,</i>           | $4\frac{1}{4}-5\frac{1}{4}$ |

## TUESDAY, JANUARY 20.

|                             |                              |
|-----------------------------|------------------------------|
| <i>German,</i>              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Latin Prose Authors,</i> | $2\frac{1}{2}-4\frac{1}{2}$  |

## MONDAY, FEBRUARY 2.

|                        |                              |
|------------------------|------------------------------|
| <i>Minor Latin, A,</i> | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Trigonometry,</i>   | $2\frac{1}{2}-4\frac{1}{2}$  |

## TUESDAY, FEBRUARY 3.

|                        |                              |
|------------------------|------------------------------|
| <i>Minor Latin, B,</i> | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Solid Geometry,</i> | $2\frac{1}{2}-4\frac{1}{2}$  |

## SPRING, 1914.

## THURSDAY, MAY 28.

|                        |        |
|------------------------|--------|
| <i>Minor Latin, A,</i> | 9½—12½ |
| <i>Trigonometry,</i>   | 9½—11½ |
| <i>Minor Latin, B,</i> | 2½—5½  |
| <i>Solid Geometry,</i> | 2½—4½  |

## FRIDAY, MAY 29.

|                               |        |
|-------------------------------|--------|
| <i>English Composition,</i>   | 9½—12½ |
| <i>English Grammar, etc.,</i> | 2½—4½  |
| <i>Greek Poets,</i>           | 4¼—5¾  |

## SATURDAY, MAY 30.

|   |       |
|---|-------|
| <i>Algebra,</i>                             | 9½—12 |
| <i>Latin Poets,</i>                         | 2½—4  |
| <i>Greek Grammar and Com-<br/>position,</i> | 4¼—5¼ |

## AUTUMN, 1914.

## TUESDAY, SEPTEMBER 22.

|                               |        |
|-------------------------------|--------|
| <i>English Composition,</i>   | 9½—12½ |
| <i>English Grammar, etc.,</i> | 2½—4½  |
| <i>Greek Poets,</i>           | 4¼—5¾  |

## WEDNESDAY, SEPTEMBER 23.

|   |       |
|---|-------|
| <i>Algebra,</i>                             | 9½—12 |
| <i>Latin Poets,</i>                         | 2½—4  |
| <i>Greek Grammar and Com-<br/>position,</i> | 4¼—5¼ |

## THURSDAY, SEPTEMBER 24.

|                             |        |
|-----------------------------|--------|
| <i>French,</i>              | 9½—12½ |
| <i>History,</i>             | 2½—4   |
| <i>Greek Prose Authors,</i> | 4¼—5¼  |

## FRIDAY, SEPTEMBER 25.

|                           |       |
|---------------------------|-------|
| <i>Geometry,</i>          | 9½—12 |
| <i>Latin Composition,</i> | 2½—4  |
| <i>Science,</i>           | 4¼—5¾ |

## SATURDAY, SEPTEMBER 26.

|                             |        |
|-----------------------------|--------|
| <i>German,</i>              | 9½—12½ |
| <i>Latin Prose Authors,</i> | 2½—4½  |

## WEDNESDAY, SEPTEMBER 30.

|                        |        |
|------------------------|--------|
| <i>Minor Latin, A,</i> | 9½—12½ |
| <i>Trigonometry,</i>   | 2½—4½  |

## THURSDAY, OCTOBER 1.

|                        |        |
|------------------------|--------|
| <i>Minor Latin, B,</i> | 9½—12½ |
| <i>Solid Geometry,</i> | 2½—4½  |

## MONDAY, JUNE 1.

|                             |        |
|-----------------------------|--------|
| <i>French,</i>              | 9½—12½ |
| <i>History,</i>             | 2½—4   |
| <i>Greek Prose Authors,</i> | 4¼—5¼  |

## TUESDAY, JUNE 2.

|                           |       |
|---------------------------|-------|
| <i>Geometry,</i>          | 9½—12 |
| <i>Latin Composition,</i> | 2½—4  |
| <i>Science,</i>           | 4¼—5¾ |

## WEDNESDAY, JUNE 3.

|                             |        |
|-----------------------------|--------|
| <i>German,</i>              | 9½—12½ |
| <i>Latin Prose Authors,</i> | 2½—4½  |

## WINTER, 1915.

## THURSDAY, JANUARY 14.

|                               |        |
|-------------------------------|--------|
| <i>English Composition,</i>   | 9½—12½ |
| <i>English Grammar, etc.,</i> | 2½—4½  |
| <i>Greek Poets,</i>           | 4¼—5¾  |

## FRIDAY, JANUARY 15.

|   |       |
|---|-------|
| <i>Algebra,</i>                             | 9½—12 |
| <i>Latin Poets,</i>                         | 2½—4  |
| <i>Greek Grammar and Com-<br/>position,</i> | 4¼—5¼ |

## SATURDAY, JANUARY 16.

|                             |        |
|-----------------------------|--------|
| <i>French,</i>              | 9½—12½ |
| <i>History,</i>             | 2½—4   |
| <i>Greek Prose Authors,</i> | 4¼—5¼  |

## MONDAY, JANUARY 18.

|                           |       |
|---------------------------|-------|
| <i>Geometry,</i>          | 9½—12 |
| <i>Latin Composition,</i> | 2½—4  |
| <i>Science,</i>           | 4¼—5¾ |

## TUESDAY, JANUARY 19.

|                             |        |
|-----------------------------|--------|
| <i>German,</i>              | 9½—12½ |
| <i>Latin Prose Authors,</i> | 2½—4½  |

## MONDAY, FEBRUARY 1.

|                        |        |
|------------------------|--------|
| <i>Minor Latin, A,</i> | 9½—12½ |
| <i>Trigonometry,</i>   | 2½—4½  |

## TUESDAY, FEBRUARY 2.

|                        |        |
|------------------------|--------|
| <i>Minor Latin, B,</i> | 9½—12½ |
| <i>Solid Geometry,</i> | 2½—4½  |

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*Treasurer.*

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*Secretary.*

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FRANCIS R. COPE, JR.  
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CHARLES J. RHOADS.  
THOMAS RAEBURN WHITE.  
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ARTHUR HENRY THOMAS.

WILLIAM C. DENNIS.

## BOARD OF DIRECTORS.

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*Chairman.*

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MARY BIDWELL BREED.  
ARTHUR HENRY THOMAS.  
WILLIAM C. DENNIS.

OFFICERS OF ADMINISTRATION.

ACADEMIC YEAR, 1912-13.

*President,*

M. CAREY THOMAS, PH.D., LL.D.  
Office: Taylor Hall.

*Dean of the College,*

MARION REILLY, A.B.  
Office: Taylor Hall.

*Recording Dean and Assistant to the President,*

ISABEL MADDISON, B.Sc., PH.D.  
Office: Taylor Hall.

*Secretary,*

EDITH ORLADY, A.B. Office: Taylor Hall.

*Recording Secretary,*

ABIGAIL CAMP DIMON, A.M. Office: Taylor Hall.

*Wardens of the Halls of Residence,*

MARTHA GIBBONS THOMAS, A.B., Pembroke Hall.  
MABEL HARRIET NORTON, A.B., Denbigh Hall.  
EDITH BUELL WRIGHT, A.B., Merion Hall.  
KATHERINE EVERETT, PH.D., Rockefeller Hall.  
SUSANNE CAREY ALLINSON, A.B., Radnor Hall.  
ANNIE LOUISE MACLEOD, PH.D., Assistant Warden, Pembroke Hall.

*Comptroller,*

JAMES G. FORRESTER, M.A. Office: Taylor Hall.

*Business Manager,*

MARIA WILKINS SMITH, A.B. Office: Taylor Hall.

*Junior Bursar,*

MARGARET A. PROCTOR, B.A. Office: Rockefeller Hall.

*Librarian,*

MARY LETITIA JONES, B.L., B.L.S. Office: The Library.

*Director of Athletics and Gymnastics,*

CONSTANCE M. K. APPLEBEE. Office: The Gymnasium.

*Physician in Chief,*

THOMAS F. BRANSON, M.D. Office hours, 8 to 9.30 and 2 to 3 daily,  
Rosemont, Pa.

*Assistant Physician,*

MARIANNA TAYLOR, M.D. Office hours, 2 to 3 daily except Monday,  
7 to 8 daily, St. David's, Pa.; Merion Hall, Bryn Mawr College,  
4 to 6 daily except Sunday.

*Examining Oculist,*

HELEN MURPHY, M.D. Office hours, 2 to 4 daily, 1433 Spruce Street,  
Philadelphia.



## ACADEMIC APPOINTMENTS.

## ACADEMIC YEAR, 1912-13.

M. CAREY THOMAS, PH.D., LL.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zürich, 1882; Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

CHARLOTTE ANGAS SCOTT, D.Sc., *Alumnæ Professor of Mathematics.*

Lincoln, England. Graduate in Honours, Girton College, University of Cambridge, England, 1880; B.Sc., University of London, 1882; Lecturer on Mathematics in Girton College, 1880-84; lectured in connection with Newnham College, University of Cambridge, England, 1880-83; D.Sc., University of London, 1885.

GEORGE A. BARTON, PH.D., *Professor of Biblical Literature and Semitic Languages.*

A.B., Haverford College, 1882, and A.M., 1885; studied under the direction of the American Institute of Hebrew, 1885-86; Harvard University, 1888-91; Thayer Scholar, Harvard University, 1889-91; A.M., Harvard University, 1890; Ph.D., Harvard University, 1891; Director of the American School of Oriental Study and Research in Palestine, 1902-03.

FLORENCE BASCOM, PH.D., *Professor of Geology.*

A.B., University of Wisconsin, 1882, B.Sc., 1884, and A.M., 1887; Johns Hopkins University, 1891-93; Ph.D., Johns Hopkins University, 1890; Assistant in Geology and Instructor in Petrography, Ohio State University, 1893-95.

ISABEL MADDISON, B.Sc., PH.D., *Recording Dean and Assistant to the President.*

Reading, England. B.Sc., University of London, 1893; Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889-92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship, and Student in Mathematics, University of Göttingen, 1894-95.

WILMER CAVE WRIGHT, PH.D., *Associate Professor of Greek.*

Shrewsbury, England. Girton College, University of Cambridge, England, 1888-92; Graduate in Honours, Cambridge Classical Tripos, 1892; Ph.D., University of Chicago, 1895; Fellow in Greek, Bryn Mawr College, 1892-93; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96.

JAMES H. LEUBA, PH.D., *Professor of Psychology and Education.*

Neuchâtel, Switzerland. B.S., University of Neuchâtel, 1886; Ph.B., Ursinus College, 1888; Scholar in Psychology, Clark University, 1892-93; Fellow in Psychology, Clark University, 1893-95; Ph.D., Clark University, 1896.

FONGER DEHAAN, PH.D., *Professor of Spanish.*

Leeuwarden, Holland. Ph.D., Johns Hopkins University, 1895; Instructor in Modern Languages, Lehigh University, 1885-91; Fellow in Romance Languages, Johns Hopkins University, 1893-94, Assistant in Romance Languages, 1893-95, Instructor in Romance Languages, 1895-96, and Associate in Romance Languages, 1896-97.

ALBERT SCHINZ, PH.D., *Professor of French Literature.*

Neuchâtel, Switzerland. A.B., University of Neuchâtel, 1888, and A.M., 1889. Licentiate in Theology, 1892; Student, University of Berlin, 1892-93; University of Tübingen, 1893; Ph.D., University of Tübingen, 1894; Sorbonne and Collège de France, 1894; Privatdozent, University of Neuchâtel, 1896-97; Instructor in French, Clark University, 1897-98; Instructor in French, University of Minnesota, 1898-99.

ARTHUR LESLIE WHEELER, PH.D., *Professor of Latin.*

A.B., Yale University, 1893; Scholar and Student in Classics, Yale College, 1893-96; Ph.D., Yale University, 1896; Instructor and Tutor in Latin, Yale College, 1894-1900.

**HENRY NEVILL SANDERS, PH.D., *Professor of Greek.***

Edinburgh, Scotland. A.B., Trinity University, Toronto, 1894, and A.M., 1897; Ph.D., Johns Hopkins University, 1903; Fellow in Greek, Johns Hopkins University, 1897-98; Lecturer in Greek, McGill University, 1900-02.

**WILLIAM BASHFORD HUFF, PH.D., *Professor of Physics.***

A.B., University of Wisconsin, 1889; A.M., University of Chicago, 1896; Ph.D., Johns Hopkins University, 1900; Lecture Assistant in Physics, Johns Hopkins University, 1899-1900, Assistant in Physics, 1900-01, and Instructor in Physics, 1901-02.

**WILLIAM ROY SMITH, PH.D., *Associate Professor of History.***

A.B., University of Texas, 1897, and A.M., 1898; Ph.D., Columbia University, 1903; Acting Professor of History and Political Science, University of Colorado, 1900-01; Lecturer in History, Barnard College, 1901-02.

**LUCY MARTIN DONNELLY, A.B., *Professor of English.***

A.B., Bryn Mawr College, 1893; University of Oxford, England, and University of Leipsic, 1893-94; Sorbonne and Collège de France, and University of Leipsic, 1894-95.

**KARL DETLEV JESSEN, PH.D., *Professor of German Literature.***

Winnemark, Schleswig-Holstein, Germany. A.B., University of Chicago, 1896, and Fellow in German, 1897-98; Ph.D., University of Berlin, 1901; University of Chicago, 1895-98; University of Kiel, 1899; University of Berlin, 1898-1901; Acting Professor of Modern Languages, Eureka College, 1896; Instructor in German, Iowa State University, 1897; Instructor in German, Harvard University, 1901-03, and Lecturer on German Literature and Aesthetics, 1904.

**TENNEY FRANK, PH.D., *Professor of Latin.***

A.B., University of Kansas, 1898, and A.M., 1899; Ph.D., University of Chicago, 1903; Fellow, University of Chicago, 1899-1901; Assistant and Associate in Latin, University of Chicago, 1901-04.

**DAVID HILT TENNENT, PH.D., *Professor of Biology.***

S.B., Olivet College, 1900; Fellow, Johns Hopkins University, 1902-04; Bruce Fellow Johns Hopkins University, 1904; Ph.D., Johns Hopkins University, 1904.

**CARLETON FAIRCHILD BROWN, PH.D., *Professor of English Philology.***

A.B., Carleton College, 1888; A.M., Harvard University, 1901, and Ph.D., 1903. Shattuck Scholar, Harvard University, 1901-03; Instructor in English, Harvard University, 1903-05.

**JAMES BARNES, PH.D., *Associate Professor of Physics.***

Halifax, Nova Scotia. B.A., Dalhousie University, Honours in Mathematics and Physics, 1899, and M.A., 1900; Ph.D., Johns Hopkins University, 1904. Holder of 1851 Exhibition Science Research Scholarship, 1900-03; Fellow, Johns Hopkins University, 1903-04, and Assistant in Physics, 1904-06.

**RICHARD THAYER HOLBROOK, PH.D., *Associate Professor of French Philology and Italian.***

A.B., Yale University, 1893; Ph.D., Columbia University, 1902. Sorbonne, Collège de France, Ecole des Chartes, 1893-94, 1895-96; Student in Italy and University of Berlin, 1894-95; Student in Spain, 1901; Tutor in the Romance Languages and Literatures, Yale University, 1896-1901, and Columbia University, 1902-06.

**THEODORE DE LEO DE LAGUNA, PH.D., *Professor of Philosophy.***

A.B., University of California, 1896, and A.M., 1899; Ph.D., Cornell University, 1901. Teacher in the Government Schools of the Philippine Islands, 1901-04; Honorary Fellow and Assistant in Philosophy, Cornell University, 1904-05; Assistant Professor of the Philosophy of Education, University of Michigan, 1905-07.

**MARION REILLY, A.B., *Dean of the College and Reader in Philosophy.***

A.B., Bryn Mawr College, 1901; Graduate Student, Bryn Mawr College, 1901-02, 1903, 1903-06; Newnham College, University of Cambridge, Spring, 1907; Universities of Rome and Sienna, 1911-12.

**MARION PARRIS SMITH, PH.D., *Associate Professor of Economics.***

A.B., Bryn Mawr College, 1901, and Ph.D., 1909. Graduate Student, Bryn Mawr College, 1902-05, Fellow in Economics and Politics, 1905-06; Bryn Mawr College Research Fellow and Student in Economics and Politics, University of Vienna, 1906-07.

FREDERICK HUTTON GETMAN\*, Ph.D., *Associate in Chemistry.*

Ph.D., Johns Hopkins University, 1903. Rensselaer Polytechnic Institute, 1893-96; University of Virginia, 1896-97; Fellow in Chemistry, Johns Hopkins University, 1902-03, and Fellow by Courtesy, 1903-04; Carnegie Research Assistant in Physical Chemistry, 1903-04; Lecturer in Physical Chemistry, College of the City of New York, 1904-05, and Lecturer in Physics, Columbia University, 1907-08.

CLARENCE ERROL FERREE, Ph.D., *Associate Professor of Experimental Psychology and Director of the Psychological Laboratory.*

B.S., Ohio Wesleyan University, 1900, A.M., 1901, and M.S., 1902; Ph.D., Cornell University, 1909. Fellow in Psychology, Cornell University, 1902-03; Assistant in Psychology, Cornell University, 1903-07.

ORIE LATHAM HATCHER, Ph.D., *Associate Professor of Comparative Literature and Elizabethan Literature.*

A.B., Vassar College, 1888; Ph.D., University of Chicago, 1903. Graduate Student, University of Chicago, 1901-03, and Fellow in English, 1903-04.

ALFRED HORATIO UPHAM, Ph.D., *Associate Professor of English Literature.*

A.B., Miami University, 1897, and A.M., 1898; A.M., Harvard University, 1901; Ph.D., Columbia University, 1908. Instructor in Latin and Greek, Miami University, 1897-1900; Graduate Student, Harvard University, 1900-02; Professor of English, Agricultural College of Utah, 1902-05; Columbia University Fellow in Comparative Literature, 1905-06; Associate Professor of English, Miami University, 1906-08, and Professor of English and Head of the Department, 1908-10.

AGATHE LASCH, Ph.D., *Associate in Teutonic Philology.*

Berlin, Germany. Ph.D., University of Heidelberg, 1909. Student, University of Halle, 1906-07; University of Heidelberg, 1907-10. State Examination *pro facultate docendi*, Karlsruhe, 1910.

GRACE MEAD ANDRUS DE LAGUNA, Ph.D., *Associate in Philosophy.*

A.B., Cornell University, 1903, and Ph.D., 1906. Sage Scholar in Philosophy, Cornell University, 1903-05; Alice Freeman Palmer Fellow of Wellesley College, 1905-06; Reader in Philosophy, Bryn Mawr College, 1907-08.

REGINA KATHARINE CRANDALL, Ph.D., *Director of English Essay Work and Reader in English.*

A.B., Smith College, 1890; Ph.D., University of Chicago, 1902. Graduate Student, University of Chicago, 1893-94, and Fellow in History, 1894-96; Assistant in History, Smith College, 1896-99; Instructor in History, Wellesley College, 1899-1900.

KATE GORDON, Ph.D., *Associate Professor of Education.*

Ph.B., University of Chicago, 1900 and Ph.D., 1903. Scholar in Pedagogy, University of Chicago, 1900-01, and Fellow in Philosophy, 1901-03; European Fellow of the Association of Collegiate Alumnae, 1903-04; Instructor in Ethics and Psychology, Mt. Holyoke College, 1904-05, and in Teachers' College, Columbia University, 1906-07; Substitute Professor of Philosophy, Mt. Holyoke College, Second Semester, 1911-12.

CLARENCE HENRY HARING, A.B., B.LITT., *Associate in History.*

A.B., Harvard University, 1907; B.Litt., University of Oxford, 1909. Rhodes Scholar, University of Oxford, 1907-10; John Harvard Fellow of Harvard University, 1908-10; Austin Teaching Fellow in Harvard College, 1910-11; Bayard Cutting Travelling Fellow in History, Harvard University, and Student, University of Berlin, 1911-12.

JAMES FULTON FERGUSON, Ph.D., *Associate in Ancient History and Latin.*

A.B., Monmouth College, 1903; A.B., Yale University, 1906, A.M., 1907, and Ph.D., 1912. Fellow, Yale University, 1906-09; Instructor in Williams College, 1909-10; Instructor in Greek and Latin, Yale College, 1910-12.

LOUIS CONS, *Associate in French.*

Lyons, France. *Bachelier-ès-lettres*, Lyons University, 1896, and *Licencié-ès-lettres*, University of Paris, 1899. The Sorbonne, 1901-04; Certificat d'Etudes Scientifiques, University of Grenoble, 1902; Assistant in French, University of Berlin, 1906-08; French Tutor in the Royal Court of Prussia, 1906-08; Ecole des Hautes-Etudes, Paris, 1909-10. *Officier d'Académie*, 1905.

THOMAS CLACHAR BROWN, Ph.D., *Associate in Geology.*

A.B., Amherst College, 1904; A.M., Columbia University, 1905, and Ph.D., 1909. Assistant in Paleontology, Columbia University, 1905-07; Geologist to the Board of Water Supply of New York City, 1907-09; Assistant Professor of Geology, Middlebury College, 1909-11; Non-resident Lecturer in Geology, Norwich University, 1909; Assistant Professor of Geology, Pennsylvania State College, 1911-12.

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\* Granted leave of absence for the year 1912-13.



JAMES RYALS CONNER, Ph.D., *Associate in Mathematics.*

A.B., University of Georgia, 1898; Ph.D., Johns Hopkins University, 1909. Johns Hopkins University, 1906-12, Fellow, 1907-09; Carnegie Research Assistant, 1909-11; Johnston Scholar and Fellow by Courtesy, Johns Hopkins University, 1911-12.

ROGER FREDERIC BRUNEL, Ph.D., *Associate in Chemistry.*

A.B., Colby University, 1903; Ph.D., Johns Hopkins University, 1906. Lecture Assistant in Chemistry, Johns Hopkins University, 1906-07; Instructor in Chemistry, Syracuse University, 1907-10, and Assistant Professor of Chemistry, 1910-12.

MATILDE CASTRO, Ph.D., *Director of the Phebe Anna Thorne Model School.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the Morris High School, Chicago, 1901-03. Instructor in Philosophy, Mt. Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-13.

DON ROSCO JOSEPH, M.D., *Associate Professor of Physiology.*

B.S., University of Chicago, 1904; M.S., St. Louis University, 1906; M.D., St. Louis University, 1907. Assistant in Physiology, St. Louis University, 1904-07; Fellow, Rockefeller Institute for Medical Research, 1907-08, Assistant, 1908-10, and Associate, 1910-12.

SAMUEL ARTHUR KING, M.A., *Non-Resident Lecturer in English Diction.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Elocution, Johns Hopkins University, 1901; Special Lecturer in Elocution, University of California, 1902.

GEORGIANA GODDARD KING, A.M., *Lecturer in the History of Art and English Literature.*

A.B., Bryn Mawr College, 1896, and A.M., 1897. Fellow in Philosophy, Bryn Mawr College, 1896-97, and Fellow in English, 1897-98. Collège de France, First Semester, 1898-99.

SYDNEY D. M. HUDSON, Ph.B., *Lecturer in Political Science.*

Ph.B., University of Syracuse, 1907. President's University Scholar, Columbia University, 1909-10, and George William Curtis Fellow in Political Science, 1910-11.

FREDERICK ALDRICH CLEVELAND, A.B., *Lecturer in History.*

A.B., Cornell University, 1899. Assistant in Modern European History, Cornell University, 1908-09; President White Travelling Fellow and Student, Universities of Freiburg and Heidelberg, 1909-10; Harvard University, 1910-11.

DOROTHY LAMB, *Lecturer in Classical Archæology.*

Manchester, England. Newnham College, University of Cambridge, England, 1906-10. Graduate in Honours, Cambridge Classical Tripos, Part I, 1909, Part II, 1910. Special Scholar, British School of Archæology, Athens, 1910-11; Creighton Memorial Post-graduate Essay Prize, Newnham College, 1911.

ROLAND G. KENT, Ph.D., *Non-resident Lecturer in Sanskrit.*

A.B., Swarthmore College, 1895, B.L., 1896 and A.M., 1898; Ph.D., University of Pennsylvania, 1903. Student, Universities of Berlin and Munich and the American School of Classical Studies at Athens, 1899-1902; University of Pennsylvania, Second Semester, 1902, Harrison Fellow in Classics, 1902-03, Harrison Research Fellow in Classics, 1903-04, Instructor in Greek and Latin, 1904-09, and Assistant Professor of Comparative Philology, 1909-13.

AMY MAUD BURT,\* A.M., *Lecturer in History.*

Ph.B., University of Vermont, 1900; A.M., Columbia University, 1904. Graduate Student, Columbia University, 1903-04, 1911-12; London School of Economics, 1912-13. Instructor in History, Central State Normal School, Mt. Pleasant, Mich., 1904-11.

DONALD FISHER, A.M., *Lecturer in Philosophy.*

A.B., Western Reserve University, 1908; A.M., Harvard University, 1909; Travelling Fellow in Philosophy, Harvard University and Student, Universities of Graz, Berlin, and Freiburg, 1910-12; Assistant in Philosophy, Harvard University, 1912-13.

FREDERICK ARCHIBALD DEWEY, S.B., *Lecturer in Economics and Sociology.*

S.B., Massachusetts Institute of Technology, 1910. University of Grenoble, Autumn Semester, 1904; University of Michigan, 1905-06. Graduate Student in Sociology, Columbia University, 1911-12, and University Fellow in Sociology, 1912-13.

\* Appointed as substitute for Frederick Aldrich Cleveland, A.B., for the second semester of 1912-13.

HARRIET RANDOLPH, PH.D., *Demonstrator in Biology and Reader in Botany.*

A.B., Bryn Mawr College, 1889; Fellow in Biology, Bryn Mawr College, 1889-90; University of Zürich, 1890-92; Ph.D., University of Zürich, 1892.

ABBY KIRK, A.B., *Reader in Elementary Greek.*

A.B., Bryn Mawr College, 1892. Reader in English, Bryn Mawr College, 1892-98.

MARY JEFFERS\*, A.M., *Reader in Elementary German.*

A.B., Bryn Mawr College, 1895, and A.M., 1897. Graduate Student, Bryn Mawr College, 1895-98, 1903-04, 1906-07; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, 1895-98; Student at the Universities of Munich and Halle, 1898-99; Teacher of Latin and History in the Girls' Latin School, Baltimore, Md., 1900-01; Head of the Latin Department in the Misses Shipley's School, Bryn Mawr, 1899-1907; Student, University of Bonn, Summer of 1905; Private Tutor, 1892-1912; Supervisor of College Preparatory Department, Brantwood Hall, Bronxville, Lawrence Park, N. Y., 1905-07; Lecturer on European Travel, Miss Wright's School, 1904-12 and Teacher of Latin, 1911-12.

EDNA ASTON SHEARER, A.B., *Reader in English.*

A.B., Bryn Mawr College, 1904; Junior Fellow in Philosophy, Bryn Mawr College, 1904-05; Holder of the President's Fellowship and Student, Universities of Edinburgh and Aberdeen, 1905-06; Fellow in Philosophy, Bryn Mawr College, 1906-07; Teacher of English in the Baldwin School, Bryn Mawr, Pa., 1907-09, and Graduate Student, Bryn Mawr College, 1907-08.

E. BEATRICE DAW, A.M., *Reader in English.*

A.B., Vassar College, 1909, and A.M., University of Pennsylvania, 1910.

MARY HAMILTON SWINDLER, PH.D., *Reader in Latin and Demonstrator in Art and Archaeology.*

A.B., University of Indiana, 1905, and A.M., 1906; Ph.D., Bryn Mawr College, 1913. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Mary E. Garrett European Fellow and Student, Universities of Berlin and Oxford and the American School of Classical Studies in Athens, 1909-10; Teacher in the Misses Shipley's School, Bryn Mawr, 1910-11, and in Miss Wright's School, Bryn Mawr, 1911-12.

HELEN ESTABROOK SANDISON, PH.D., *Reader in English.*

A.B., Bryn Mawr College, 1906, and A.M., 1907; Ph.D., Bryn Mawr College, 1913. Graduate Scholar, Bryn Mawr College, 1906-07, 1910-11; Assistant Principal of the High School, Brookville, Ind., 1907-08; Fellow in English, Bryn Mawr College, 1908-09; Holder of Special European Fellowship, Bryn Mawr College, and Student, University of Oxford, 1909-10.

MARION DELIA CRANE, A.B., *Reader in English and Secretary to the Dean of the College.*

A.B., Bryn Mawr College, 1911. Secretary, the Bryn Mawr School, Baltimore, 1911-12.

MARIE HOPP, *Reader in Elementary French and French and German Oral Tutor.*

Holder of Brevet of the Ecole Supérieure, Paris. Senior Modern Language Mistress in the Girls' High School, Lincoln, England, 1904-11; Teacher of French in Ashley Hall, Charleston, S. C., 1911-12.

BERTHA SOPHIE EHLERS†, A.B., *Reader in Elementary German.*

A.B., Bryn Mawr College, 1909. Teacher of German in the Agnes Irwin School, Philadelphia, 1910-13.

IDA LANGDON, PH.D., *Reader in English.*

A.B., Bryn Mawr College, 1903; A.M., Cornell University, 1910, and Ph.D., 1912. Cornell University, 1909-12.

CHRISTINE POTTS HAMMER, A.B., *Reader in English.*

A.B., Bryn Mawr College, 1912.

GERTRUDE RAND, PH.D., *Reader (elect) in Educational Psychology and Demonstrator (elect) in Experimental Psychology.*

A.B., Cornell University, 1908; Ph.D., Bryn Mawr College, 1913. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, 1911-12, Fellow in Philosophy, 1909-10, Fellow in Psychology, 1910-11 and Sarah Berliner Research Fellow, 1912-13.

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\* Granted leave of absence for the year 1912-13.

† Appointed as substitute for Mary Jeffers, A.M.

**EUNICE MORGAN SCHENCK, A.B., *Reader (elect) in French.***

A.B., Bryn Mawr College, 1907. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1909-10, and Fellow in Romance Languages, 1912-13. President's European Fellow and Student, the Sorbonne, Collège de France, University of Grenoble and in Madrid, 1910-12.

**MAUD ELIZABETH TEMPLE, A.M., *Reader (elect) in English.***

A.B., Bryn Mawr College, 1904, and A.M., 1905. Graduate Scholar in English, Bryn Mawr College, 1904-05; Graduate Scholar, Radcliffe College, 1909-10; Research Student, Collège de France and the Sorbonne, 1910-11; Fellow of the Women's Education Association of Boston, 1911-12.

**MABEL KATHRYN FREHAFFER, A.M., *Demonstrator in Physics.***

A.B., Bryn Mawr College, 1908; A.M., University of Wisconsin, 1909. Graduate Student, University of Wisconsin, 1908-09; Fellow in Physics, Bryn Mawr College, 1909-10.

**ANNIE LOUISE MACLEOD, Ph.D., *Reader and Demonstrator in Chemistry and Assistant Warden of Pembroke Hall.***

A.B., McGill University, 1904, M.Sc., 1905, and Ph.D., 1910. Demonstrator in Chemistry, McGill University, 1905-08; Assistant in Chemistry, Barnard College, 1908-09; Fellow in Chemistry, Bryn Mawr College, 1909-10, and Research Fellow in Chemistry, 1910-12.

**MARY MERRICK GOODWIN, A.M., *Quiz Assistant in Economics.***

A.B., Bryn Mawr College, 1909, and A.M., 1912. Susan B. Anthony Memorial Scholar in Political Theory, Bryn Mawr College, 1911-12.

**HELEN STRONG HOYT, A.M., *Quiz Assistant in English.***

A.B., Bryn Mawr College, and George W. Childs Prize Essayist, 1897, A.M., 1898. Graduate Student, Bryn Mawr College, 1897-99, and Reader in English, 1898-1907; Teacher of English in Rosemary Hall, Greenwich, Conn., 1908-09.

**JEANNETTE CONS, A.M., *Quiz Assistant in French and French Oral Tutor.***

A.B., Swarthmore College, 1907, and A.M., 1909.

**MARY CATHERINE RYAN, A.B., *German Oral Tutor.***

A.B., Bryn Mawr College, 1909.

**BERTHA A. LEUBA, *French Oral Tutor.***

Hearer, Bryn Mawr College, 1905-06, 1911-12.

**EXECUTIVE STAFF.****EDITH ORLADY, A.B., *Secretary of the College.***

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, Bryn Mawr College, 1903-06, 1907-09; Recording Secretary, 1910-12.

**ABIGAIL CAMP DIMON, A.M., *Recording Secretary.***

A.B., Bryn Mawr College, 1896, and A.M., 1899. Vice-Principal of the High School, Clinton, N. Y., 1896-97; Assistant Teacher of English in the Utica Academy, 1897-98; Graduate Student, Bryn Mawr College, 1898-99; Tutor, 1900-01; Graduate Student and Warden of Radnor Hall, Bryn Mawr College, 1901-04; Teacher of Science in the Balliol School, Utica, 1904-05, and of Science and Mathematics, 1905-08; Teacher in the New School, Utica, 1908-09; Demonstrator in Biology, Bryn Mawr College, 1911, and Reader in Biology, 1911-12.

**MARTHA GIBBONS THOMAS, A.B., *Warden of Pembroke Hall.***

A.B., Bryn Mawr College, 1889.

**MABEL HARRIET NORTON, A.B., *Warden of Denbigh Hall.***

A.B., Bryn Mawr College, 1902. Sorbonne, 1907-08; University of California, 1908-09. Teacher of Latin in Snell Seminary, Berkeley, Cal., 1908-11.

**EDITH BUELL WRIGHT, A.B., *Warden of Merion Hall.***

A.B., Bryn Mawr College, 1900. Private Tutor, 1901-02, 1904-05.

**KATHERINE EVERETT, Ph.D., *Warden of Rockefeller Hall.***

A.B., Brown University, 1908, and A.M., 1910; Ph.D., Cornell University, 1912.



SUSANNE CAREY ALLINSON, A.B., *Warden of Radnor Hall.*

A.B., Bryn Mawr College, 1910.

JAMES G. FORRESTER\*, M.A., *Comptroller.*

M.A., University of Edinburgh, 1885. Law School of the University of Edinburgh, 1885-89; Solicitor at Law, 1889.

MARIA WILKINS SMITH, A.B., *Business Manager.*

A.B., Bryn Mawr College, 1906. Private Tutor and Principal of Class for Girls, Philadelphia, 1907-12.

MARGARET A. PROCTOR, A.B., *Junior Bursar.*

A.B., University of Toronto, 1906. Laboratory Assistant in Physiological Chemistry and Bacteriology, University of Toronto, 1906-08; Dietitian, Department of Public Charities, New York City, 1908-09; Assistant Manager, Whittier Hall Dining Rooms, Barnard College, 1909-10.

MARY LETITIA JONES, B.L., B.L.S., *Librarian.*

B.L., University of Nebraska, 1885; B.L.S., New York State Library School, 1892. Acting Librarian and Adjunct Professor of Bibliography, University of Nebraska, 1892-97; Librarian and Assistant Professor of Library Economy, University of Illinois, 1897; Classifier, Iowa State University, 1898; Second Assistant Librarian, Los Angeles Public Library, 1898-99, and Librarian, 1900-05.

CONSTANCE M. K. APPLEBEE, *Director of Athletics and Gymnastics.*

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, Summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mt. Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906.

ELIZABETH LAWRENCE GRAY, *Assistant Director of Athletics and Gymnastics.*

Graduate, Sargent Normal School of Physical Education, Boston, Mass., 1908. Student, Gilbert Summer Normal School of Classic Dancing, 1908; Instructor in Gymnastics, Playgrounds, Cambridge, Mass., Summer, 1908, 1909.

HELEN COREY GEDDES, A.B., B.S., *Head Cataloguer.*

A.B., Radcliffe College, 1905; B.S., Simmons College, 1910. Library Assistant, University of Illinois, 1910-12.

BESSIE HOMER JENNINGS, *Assistant Cataloguer.*

Graduate, Drexel Institute Library School, 1900.

MARY WARREN TAYLOR, *Secretary to the Department of Athletics and Gymnastics and Recording Secretary to the Health Department.*

GENEVIEVE ESTELLE POTTER, *Assistant in the Comptroller's Office.*

MABEL GRAY THOMAS, *Assistant in the Comptroller's Office.*

MARIAN PRICE, A.B., *Library Assistant.*

SARAH WOOSTER ENO, A.B., *Library Assistant.*

A.B., University of Illinois, 1908. Cataloguer, Library of the University of Pennsylvania, 1909-10; Librarian, Stetson University, 1910-12.

HELEN ROTHROCK SHOEMAKER, A.B., *Library Assistant.*

A.B., Vassar College, 1910. Drexel Institute Library School, 1911-12.

THOMAS F. BRANSON, M.D., *Physician in Chief.*

A.B., Haverford College, 1889; M.D., University of Pennsylvania, 1892. Attending Physician, Bryn Mawr Hospital.

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\* Resigned, March 20, 1913.

**MARIANNA TAYLOR, M.D., *Assistant Physician.***

A.B., Bryn Mawr College, 1903, and M.D., Woman's Medical College of Pennsylvania, 1908. Resident Physician, Woman's Hospital, Philadelphia, 1908-09, and Clinical Instructor, 1910-11; Practicing Physician, St. David's, Pa., 1910-13.

**HELEN MURPHY, M.D., *Examining Oculist.***

M.D., Woman's Medical College of Pennsylvania, 1893; Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97.

The following physicians have consented to serve as consultants in special cases:

ELLA B. EVERITT, M.D., 1807 Spruce Street, Philadelphia, *Consultant Gynecologist.*

THOMAS McCRAE, M.D., F.R.C.P., 1627 Spruce Street, Philadelphia, *Consultant Physician.*

GEORGE DE SCHWEINITZ, M.D., 1705 Walnut Street, Philadelphia, *Consultant Oculist.*

ROBERT G. LE CONTE, M.D., 1625 Spruce Street, Philadelphia, *Consultant Surgeon.*

FRANCIS R. PACKARD, M.D., 304 South 19th Street, Philadelphia, *Consultant Aurist and Laryngologist.*

JAMES K. YOUNG, M.D., 222 South 16th Street, Philadelphia, *Consultant Orthopædist.*

*The Academic Committee of the Alumnae.*

SUSAN FOWLER, A.B. (*ex-officio*), 420 West 118th Street, NEW YORK CITY.

KATHARINE LORD, A.B., PLYMOUTH, MASS.

MARY DELIA HOPKINS, A.M., CLINTON, N. Y.

FRANCES AMELIA FINCKE, A.B. (Mrs. Learned Hand), 142 East 65th Street, NEW YORK CITY.

SUSAN BRALEY FRANKLIN, PH.D., 33 Central Park West, NEW YORK CITY.

GERTRUDE HARTMAN, A.B., 15 Centre Street, BROOKLINE, MASS.

PAULINE DOROTHEA GOLDMARK, A.B., 270 West 94th Street, NEW YORK CITY.

ANNA BELL LAWTHORP, A.B., 239 Seventeenth Street, DUBUQUE, IOWA.

*Honorary Corresponding Secretaries.*

The following honorary corresponding secretaries, all of whom are graduates of Bryn Mawr College, have kindly consented to act as representatives of the college in the cities in which they live, and will at any time be glad to answer questions about the college.

NEW YORK CITY: MISS EMILY REDMOND CROSS, 405 Park Avenue.

PHILADELPHIA: MRS. ADOLPH E. BORIE, 4100 Pine Street.

BALTIMORE: MRS. ANTHONY MORRIS CAREY, 1004 Cathedral Street.

PITTSBURGH, PA.: MRS. JOHN BRUCE ORR, 628 *Maple Lane, Sewickley, Pa.*

SCRANTON, PA.: MISS ALICE BELIN.

SYRACUSE, N. Y.: MRS. FREDERICK A. SAUNDERS, 612 *Ostrom Avenue.*

UTICA, N. Y.: MRS. ARTHUR PERCY SAUNDERS, *Clinton, N. Y.*

NEW HAVEN, CONN.: MISS ELIZABETH DAY SEYMOUR, 141 *Linden Street.*

BOSTON, MASS.: MRS. INGERSOLL BOWDITCH, 19 *Buckingham Street, Cambridge.*

FALL RIVER, MASS.: MRS. RANDALL NELSON DUFEE, 19 *Highland Avenue.*

WASHINGTON, D. C.: MRS. HERBERT KNOX SMITH, *Cathedral Avenue and Woodley Lane.*

CHICAGO, ILL.: MRS. JAMES FOSTER PORTER, *Hubbard Woods, Ill.*

INDIANAPOLIS, IND.: MRS. FRANK NICHOLS LEWIS, 42 *East 32nd Street.*

MADISON, WIS.: MRS. MOSES STEPHEN SLAUGHTER, 633 *Francis Street.*

MINNEAPOLIS, MINN.: MISS MARGARET WASHBURN, 2218 *First Avenue, South.*

ST. LOUIS, MO.: MRS. GEORGE GELLHORN, 4366 *McPherson Avenue.*

PORTLAND, ORE.: MRS. HENRY MINOR ESTERLY, 376 *North 31st Street.*

LOS ANGELES, CAL.: MISS ELIZABETH DANA MARBLE, 3201 *Figueroa Street.*

SALT LAKE CITY, UTAH: MISS KATE WILLIAMS, 177 *13th East Street.*

ENGLAND: THE HON. MRS. BERTRAND RUSSELL, *Ford Place, Arundel.*

## STUDENTS.

*Fellows and Graduate Students, Academic Year, 1912-13.*

- NORA CAM**,.....*Bryn Mawr European Fellow.*  
 Bishop's Stortford, England. Prepared by private tuition. Holder of Maria Hopper Scholarship, 1909-11. Holder of Maria L. Eastman Brooke Hall Memorial Scholarship, 1911-12. A.B., Bryn Mawr College, 1912.
- FRANCES ALLEN FOSTER**,.....*Mary E. Garrett European Fellow.*  
 Providence, R. I. A.B., Brown University, 1909. Scholar in English, Bryn Mawr College, 1909-11, and Fellow in English, 1911-12. Studying in the British Museum, 1912-13.
- VERNETTE LOIS GIBBONS**,.....*President's European Fellow.*  
 Upton, Mass. Sc.B., Mt. Holyoke College, 1896, and A.B., 1899; M.Sc., University of Chicago, 1907; M.Sc., University of the Cape of Good Hope, 1908. Teacher in the High School, Bernardstown, Mass., 1896-97; Assistant in Chemistry, Mt. Holyoke College, 1897-99, and Instructor in Chemistry, 1899-1901; Instructor in Chemistry, and Mineralogy, Wells College, 1902-04, and Associate Professor of Chemistry, 1905-06; Lecturer and Head of Department of Chemistry, Huguenot College, Wellington, South Africa, 1907-11, and on leave of absence, 1911-12; Fellow in Chemistry, Bryn Mawr College, 1911-12; Student, University of Munich, 1912-13.
- ANGELA CHARLOTTE DARKOW**,.....*Fellow in Greek.*  
 Philadelphia. A.B., Bryn Mawr College, 1911. Graduate Scholar in Greek, Bryn Mawr College, 1911-12.
- ELEANOR SHIPLEY DUCKETT**,.....*Fellow in Latin.*  
 Frome, Somerset, England. B.A., University of London, 1902, and M.A., 1904. Girton College, University of Cambridge, England, 1908-11; Classical Tripos, Part I, 1911. Classical Mistress in the High School, Sutton, Surrey, 1905-07; British Graduate Scholar, Bryn Mawr College, 1911-12.
- IRIS GALLANT CALDERHEAD**,.....*Fellow in English.*  
 Marysville, Kan. A.B., Kansas University, 1910. Graduate Scholar in English, Bryn Mawr College, 1910-11; Teacher in the High School, Dayton, Wash., 1911-12.
- ADAH BLANCHE ROE**,.....*Fellow in German.*  
 Omaha, Neb. A.B., Woman's College of Baltimore, 1909. Scholar in German, Bryn Mawr College, 1909-11; Ottendorfer Memorial Research Fellow in Teutonic Philology, and Student, University of Berlin, 1911-12.
- EUNICE MORGAN SCHENCK**,.....*Fellow in Romance Languages.*  
 Philadelphia. A.B., Bryn Mawr College, 1907. Graduate Student, Bryn Mawr College, 1908-09, and Graduate Scholar in French, 1909-10; Mary E. Garrett European Fellow and Student, University of Paris and in Madrid, 1910-12.
- LOUISE PETTIBONE SMITH**,.....*Fellow in Semitic Languages.*  
 Winchester Centre, Conn. A.B., Bryn Mawr College, 1908. Instructor in Hardin College, Mexico, Mo., 1908-11. Graduate Scholar in Semitic Languages, Bryn Mawr College, 1911-12.
- MARY ALICE HANNA**,.....*Fellow in History.*  
 Trenton, Mo. A.B., University of Missouri, 1909, and B.S., 1911. Teacher in the High School, Vandalia, Mo., 1909-11; Graduate Student, Bryn Mawr College, 1911-12.
- LORINDA PERRY**,.....*Fellow in Economics and Politics.*  
 Melvin, Ill. A.B., University of Illinois, 1909, and A.M., 1910. Radcliffe Fellow, Women's Educational and Industrial Union, Boston, Mass., 1910-11; Fellow in Economics and Politics, Bryn Mawr College, 1911-12.
- ANGIE LILLIAN KELLOGG**,.....*Fellow in Philosophy.*  
 Watertown, N. Y. A.B., Vassar College, 1903, and A.M., 1904. Teacher in the High School, Schenectady, N. Y., 1904-10, and in the High School, Hasbrouck Heights, N. J., March to June, 1911; Fellow in Philosophy, Bryn Mawr College, 1911-12.
- CAROLINE MILLARD MORTON**,.....*Fellow in Classical Archaeology.*  
 Providence, R. I. A.B., Brown University, 1910, and A.M., 1911. Graduate Scholar in Greek, Bryn Mawr College, 1911-12.



- GOLDIE PRINTIS HORTON**,.....*Fellow in Mathematics.*  
 Quanah, Tex. A.B., University of Texas, 1908; A.M., Smith College, 1910. Head of Department of Mathematics, Grandview, Texas, 1908-09; Fellow in Mathematics, Smith College, 1909-10; Head of Department of Mathematics in the High School, Amarillo, Tex., 1910-12.
- LAURA HATCH**,.....*Fellow in Geology.*  
 Chicago, Ill. A.B., Vassar College, 1906; M.Sc., University of Chicago, 1911. Teacher in the University School for Girls, Chicago, 1906-07; in the High School, Aurora, Ill., 1907-10; Assistant in the Laboratory, University of Chicago, 1910-11. Instructor in Geology, Wellesley College, 1911-12.
- RUTH GLADYS SPRAY**,.....*Fellow in Biology.*  
 Lawrence, Kans. A.B., Kansas State University, 1911. Graduate Scholar in Biology, Bryn Mawr College, 1911-12.
- MARIE GERTRUDE RAND**,.....*Sarah Berliner Research Fellow.*  
 Brooklyn, New York City. A.B., Cornell University, 1908. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, 1911-12, Fellow in Philosophy, 1909-10, and Fellow in Psychology, 1910-11.
- AGNES BORTHWICK**,.....*British Graduate Scholar.*  
 Greenock, Scotland. M.A., Glasgow University, 1910. Graduate Student, Glasgow University 1910-12; Honours in English, 1912.
- ELIZABETH MARY EDWARDS**,.....*British Graduate Scholar.*  
 Liverpool, England. A.B., University of Liverpool with Honours in Economics, 1910; M.A. and Diploma in Education, 1912. Student, University of Berlin, 1910-12; Assistant in the Potsdam Höheren Mädchenschule, 1910-11, and in the Chamissochule, Berlin, 1911-12.
- AGNES MURRAY MACFADZEAN**,.....*British Graduate Scholar.*  
 Glasgow, Scotland. B.A., University of Glasgow, 1910, and M.A., 1911. Student, University of Göttingen, 1910-11; Teacher of English, Villa Hallinick, Wiesbaden, Germany, 1911-12.
- MARJORY RACKSTRAW**,.....*British Graduate Scholar.*  
 London, England. A.B., Birmingham University, 1912. Student, The Sorbonne, 1908-09.
- MARTHA BÄLZ**,.....*German Graduate Scholar.*  
 Stuttgart, Germany. Ph.D., University of Berlin, 1909. Student, University of Munich, 1903-04, University of Freiburg, 1904, University of Berlin, 1904-10. Teacher in the Lyceum for Girls, Berlin, 1910-12.
- SUSANNE CHARLOTTE ENGELMANN**,.....*German Graduate Scholar.*  
 Berlin, Germany. Ph.D., University of Heidelberg, 1909. Student, University of Berlin, 1905-08, 1909, University of Heidelberg, Summer Semester, 1907, Winter Semester, 1909. Teacher in Oberlyceum for Girls, Berlin, 1910-12.
- MARINA EWALD**,.....*German Graduate Scholar.*  
 Berlin, Germany. University of Berlin, Winter Semester, 1909, 1910-12; University of St. Andrews, 1909-10.
- ERNA MATHILDE HACKENBERG**,.....*German Graduate Scholar.*  
 Barmen, Germany. University of Tübingen, Summer Semester, 1912. Teacher in the Seminar Practice School, 1909-10.
- FRANZISKA VOGEL**,.....*German Graduate Scholar.*  
 Münster in Weimar, Germany. University of Münster, Winter Semester, 1911-12.
- ADELHEID CHRISTINE CASPAR**,.....*German Graduate Scholar.*  
 Magdeburg, Germany. University of Marburg, 1909-10; University of Greifswald, 1910-11; University of Berlin, 1911-12. Teacher in the Höhere Privatschule, Ilsenburg, 1904-07.
- SUSANNE CAREY ALLINSON**,.....*Art and Archæology, French and History.*  
 Providence, R. I. A.B., Bryn Mawr College, 1910.
- JANE BEARDWOOD**,.....*History.*  
 Philadelphia. A.B., Bryn Mawr College, 1912.

- SADIE BELIEKOWSKY,.....*Graduate Scholar in Latin.*  
Philadelphia. A.B., Bryn Mawr College, 1912.
- MARION ALMIRA BILLS,.....*Graduate Scholar in Psychology.*  
Allegan, Mich. A.B., University of Michigan, 1908. Teacher in the Public School, Allegan, 1909-11; Graduate Scholar in Psychology, Bryn Mawr College, 1911-12.
- BELLE DOUGLASS BOYSEN, *Susan B. Anthony Scholar in Political Theory.*  
Knoxboro, N. Y. Ph.B., Syracuse University, 1911. Teacher in the Knoxboro Union School, 1904-05.
- VIVIAN HONORA BRESNEHEN,.....*Graduate Scholar in English.*  
Brookfield, Mo. A.B., University of Missouri, 1910, and A.M., 1911.
- MARGARET BUCHANAN,.....*Graduate Scholar in Mathematics.*  
Morgantown, W. Va. A.B., University of Virginia, 1906. Graduate Student, University of W. Virginia, 1907; Teacher of Mathematics in Marshall College, Huntington, W. Va., 1906-07; Assistant in Greek and Mathematics, West Virginia University, 1908-09, and Instructor in Mathematics, 1909-12.
- ALICE HILL BYRNE,.....*Greek.*  
Lancaster, Pa. A.B., Wellesley College, 1908. Teacher of Latin and Greek in the Union High School, Coleraine, Pa., 1894-96, and Principal, 1899-1900; in Mrs. Blackwood's School, Lancaster, 1896-99, and 1900-01; Associate Principal and Teacher of Latin and Greek in Miss Stahr's School, Lancaster, 1901-05; Principal of the Shippen School, Lancaster, 1905-09; Teacher of Latin and Greek in Miss Hills's School, Philadelphia, 1909-11; Graduate Student, Bryn Mawr College, 1908-10, and Graduate Scholar in Greek, 1910-11; Teacher of Latin and Greek in the Baldwin School, Bryn Mawr, 1911-12, and in charge of the Lower School, 1912-13.
- GERTRUDE HILDRETH CAMPBELL,.....*Graduate Scholar in English.*  
Providence, R. I. A.B., Brown University, 1911, and A.M., 1912. Tutor in English, Brown University, 1912.
- MARION DELIA CRANE,.....*Philosophy.*  
Providence, R. I. A.B., Bryn Mawr College, 1911. Secretary in the Bryn Mawr School, Baltimore, Md., 1911-12; Reader in English and Secretary to the Dean of the College, Bryn Mawr College, 1912-13.
- THYRA CRAWFORD,.....*Teutonic Philology.*  
Excelsior, Minn. A.B., Goucher College, 1903; A.M., University of Minnesota, 1910. Graduate Student, University of Minnesota, 1908-10. Teacher in the High School, Ada, Minn., 1903-04; Principal of the High School, Excelsior, Minn., 1904-11; Fellow in German, Bryn Mawr College, Semester I, 1911-12.
- LOUISE D. CUMMINGS,.....*Mathematics.*  
Poughkeepsie, N. Y. A.B., University of Toronto, 1895, and A.M., 1902. Fellow, University of Pennsylvania, 1896-97; Examiner in Mathematics, University of Toronto, 1897; Graduate Student, University of Chicago, 1897-98; Fellow in Mathematics, Bryn Mawr College, 1898-99 and Fellow by Courtesy in Mathematics, 1900; Instructor in Mathematics, St. Margaret's College, Toronto, Ont., 1901-02; Instructor in Mathematics, Vassar College, 1902-13; Graduate Scholar, Bryn Mawr College, First Semester, 1905-06.
- IDA LELA DE LONG,.....*Earlham College Scholar.*  
Hudson Falls, N. Y. A.B., Earlham College, 1912. Teacher in Public Schools, Washington County, N. Y., 1907-08.
- JUNE CHRISTINA EDDINGFIELD,.....*Graduate Scholar in German.*  
Mace, Ind. A.B., University of Indiana, 1906. Student, University of Indiana, Summer Semesters, 1908, 1910, 1911, 1912. Assistant Principal of the High School, Swayzee, Ind., 1906-08; Head of German Department in the High School, Elwood, Ind., 1908-12.
- SARA WOOSTER ENO,.....*History and Comparative Literature.*  
Charlotte, Vt. A.B., University of Illinois, 1908. Cataloguer, Library of the University of Pennsylvania, 1909-10; Librarian, Stetson University, 1910-12.
- JEAN COSSAR EWART,.....*Graduate Scholar in Mathematics.*  
Ottawa, Canada. B.A., University of Toronto, 1912.
- ELIZABETH BETTERTON FORMAN,.....*Graduate Foundation Scholar.*  
Haverford, Pa. A.B., Bryn Mawr College, 1902. Tutor in the Bryn Mawr School, Baltimore, 1902-03; Graduate Student, Bryn Mawr College, 1907-08, 1911-12.

JEAN FRASER,.....*English, History and History of Art.*  
Grafton, N. Dak. A.B., University of North Dakota, 1910. Teacher in the High School,  
Hatton, N. Dak., 1910-11.

MABEL KATHRYN FREHAFFER,.....*Chemistry.*  
Philadelphia. A.B., Bryn Mawr College, 1908; A.M., University of Wisconsin, 1909.  
Graduate Student in Physics, University of Wisconsin, 1908-09; Fellow in Physics,  
Bryn Mawr College, 1909-10, and Demonstrator and Graduate Student in Physics,  
1910-13.

HELEN COREY GEDDES,.....*History.*  
Allston, Mass. A.B., Radcliffe College, 1905; B.S., Simmons College, 1910. Library  
Assistant, University of Illinois, 1910-12.

MARGARET GILLILAND,.....*Latin and English.*  
Gettysburg, Pa. A.B., Pennsylvania College, 1912.

MARY AGNES GLEIM,.....*Graduate Scholar in Latin.*  
Pittsburgh, Pa. A.B., Bryn Mawr College, 1897. Teacher in the Baldwin School, Bryn  
Mawr, Pa., 1892-97; in the Gordon School, Philadelphia, 1897-1902; Principal of Miss  
Gleim's School, Pittsburgh, 1902-09, and of the Thurston Gleim School, Pittsburgh,  
1909-12.

MARY MERRICK GOODWIN,.....*History and Economics and Politics.*  
Philadelphia. A.B., Bryn Mawr College, 1909. Teacher in the Preparatory School for  
Boys and Girls, Bryn Mawr, 1910-11. Susan B. Anthony Memorial Scholar in Political  
Theory, 1911-12. Quiz Assistant in Economics, Bryn Mawr College, 1912-13.

ETTALENE MEARS GRICE,.....*Graduate Scholar in Biblical Literature.*  
Portsmouth, O. A.B., Western College for Women, 1908. Teacher in the Public Schools,  
Portsmouth, 1910-12.

RUTH ALLINE GUY,.....*Graduate Scholar in Biology.*  
New York City. A.B., Barnard College, 1912.

CHRISTINE POTTS HAMMER,.....*English.*  
Pottstown, Pa. A.B., Bryn Mawr College, 1912. Private Secretary, 1912-13.

MARY GERTRUDE HASEMAN,.....*Graduate Scholar in Mathematics.*  
Linton, Ind. A.B., University of Indiana, 1910. Professor of Mathematics in Vincennes  
University, 1910-11. Graduate Scholar in Mathematics, Bryn Mawr College, 1911-12.

IDA MARY HOOD,.....*English, History, Physics and Chemistry.*  
Sioux City, Ia. A.B., Belmont College, 1912.

MARIE HOPP,.....*French.*  
Brussels, Belgium. Brevét Supérieur, Paris, 1898. Cours de l'Hotel de Ville, Paris, 1896-  
99; Cours Bayette, Paris, 1897-99. Teacher of French in St. Stephen's High School,  
Windsor, England, 1899-1902; in the Girls' High School, Lincoln, England, 1904-11,  
and in Ashley Hall, Charleston, S. C., 1911-12.

EMILY ELIZABETH HOWSON,.....*Graduate Scholar in Physics.*  
Philadelphia. A.B., Bryn Mawr College, 1910. Graduate Student, Bryn Mawr College,  
1910-11, and Graduate Scholar in Physics, 1911-12.

MARGARET HUDSON,.....*French.*  
Philadelphia. A.B., Bryn Mawr College, 1909. Head of Department of French, New  
Jersey State Normal School, 1910-13.

ROSE VALERE JOHNSON,.....*Penn College Scholar.*  
Oskaloosa, Ia. A.B., Penn College, 1912.

HELEN MAXWELL KING,.....*Graduate Scholar in Romance Languages.*  
Olivet, Mich. A.B., Olivet College, 1907, and A.M., 1908. Graduate Student, Bryn  
Mawr College, 1908-09, and Fellow in Romance Languages, 1909-10. Private Secretary  
to the United States Minister to Siam, 1910-12.

DOROTHY LAMB,.....*Italian.*  
Manchester, England. Newnham College, University of Cambridge, England, 1906-10:  
Graduate in Honours, Cambridge Classical Tripos, Part I, 1909, Part II, 1910. Special  
Scholar, British School of Archaeology, Athens, 1910-11; Lecturer in Classical Archæ-  
ology, Bryn Mawr College, 1912-13.



KATHERINE CAVENAGH LONGWELL, . . . . . *Graduate Scholar in Latin.*  
Pittsburgh, Pa. A.B., Bryn Mawr College, 1912.

CASSIE CORINA MENDENHALL, . . . . . *Guilford College Scholar.*  
High Point, N. C. A.B., Guilford College, 1912.

ELIZABETH HUGHES NEWTON, . . . *Graduate Scholar in Romance Languages.*  
Hamilton, Canada. B.A., University of Toronto, 1911, and M.A., 1912.

MABEL HARRIET NORTON, . . . . . *French, History and History of Art.*  
Pasadena, Cal. A.B., Bryn Mawr College, 1902. Student, The Sorbonne, 1907-08.  
Teacher of Latin in Snell Seminary, Berkeley, Cal., 1908-11, and Student, University  
of California, 1908-09. Warden of Denbigh Hall, and Graduate Student, Bryn Mawr  
College, 1911-13.

MARION EDWARDS PARK, . . . . . *Latin.*  
Oberlin, O. A.B., Bryn Mawr College, 1898, and A.M., 1899. Bryn Mawr European  
Fellow and Graduate Student, Bryn Mawr College, 1898-99; Autumn Quarter, Univer-  
sity of Chicago, 1900-01; American School of Classical Studies, Athens, Greece, 1901-  
02; Instructor in Classics, Colorado College, 1902-03, 1904-06, and Acting Dean of  
Women, 1903-04; Teacher of English in Miss Wheeler's School, Providence, R. I.,  
1906-07, and of Classics, 1907-09; Acting Dean of Bryn Mawr College, 1911-12.

HELEN HUSS PARKHURST, . . . . . *Graduate Scholar in Philosophy.*  
Englewood, N. J. A.B., Bryn Mawr College, 1911. Teacher in the Dwight School,  
Englewood, 1911-12.

VERA LILLIAN PARSONS, . . . . . *Graduate Scholar in English.*  
Toronto, Canada. B.A., University of Toronto, 1911, and M.A., 1912.

HARRIET RANDOLPH, . . . . . *Spanish.*  
Bryn Mawr, Pa. A.B., Bryn Mawr College, 1889; Fellow in Biology, Bryn Mawr College,  
1889-90; University of Zürich, 1890-92; Ph.D., University of Zürich, 1892. Demon-  
strator in Biology and Reader in Botany, Bryn Mawr College, 1892-1913.

BLANCH RIBLE, . . . . . *Graduate Scholar in Greek.*  
Sacramento, Cal. A.B., Leland Stanford, Jr., University, 1910, and A.M., 1911. Assistant  
in Greek, Leland Stanford, Jr., University, 1910-12.

ELLA RIEGEL, . . . . . *Spanish.*  
Wilmington, Del. A.B., Bryn Mawr College, 1889. Graduate Student, Second Semester,  
1911-12.

LORLE IDA STECHER, . . . . . *Graduate Scholar in Psychology.*  
Philadelphia. A.B., Bryn Mawr College, 1912.

HELEN REBECCA STEWARD, *English, History, Philosophy and History of Art.*  
Carlinville, Ill. A.B., Blackburn College, 1908. Teacher in Blackburn Academy, 1911-12.

DOROTHY ROWLAND SWIFT, . . . . . *Graduate Scholar in Philosophy.*  
Fall River, Mass. A.B., Oberlin College, 1912.

MARY HAMILTON SWINDLER, . . . . . *Italian.*  
Connerville, Ind. A.B., University of Indiana, 1905, and A.M., 1906. Graduate Scholar  
in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Mary E. Garrett  
European Fellow and Student, Universities of Berlin and Oxford and the American  
School of Classical Studies in Athens, 1909-10; Teacher in the Misses Shipley's School,  
Bryn Mawr, 1910-11; Reader in Latin, Bryn Mawr College, and Teacher of Latin in  
Miss Wright's School, Bryn Mawr, 1911-12; Reader in Latin and Demonstrator in  
Art and Archaeology, Bryn Mawr College, 1912-13.

CONSTANCE MIRIAM SYFORD, . . . . . *Graduate Scholar in English.*  
Lincoln, Neb. A.B., Nebraska State University, 1909, and A.M., 1911. Assistant and  
Reader to the Dean, Nebraska State University, 1909-11; Graduate Scholar in English,  
Bryn Mawr College, 1911-12.

MARGUERITE THIEBAUD, . . . . . *English and History of Art.*  
Connerville, Ind. A.B., Earlham College, 1912.



- MIRIAM THOMAS, ..... *English*.  
 Haverford, Pa. A.B., Bryn Mawr College, 1902, and A.M., 1903. Holder of the Graduate Foundation Scholarship, Bryn Mawr College, and Graduate Student, 1902-03; Assistant in Latin in Miss Florence Baldwin's School, Bryn Mawr, 1903-06.
- MARJORIE LA MONTE THOMPSON, ..... *English*.  
 Philadelphia. A.B., Bryn Mawr College, 1912. Volunteer Social Worker, 1912-13.
- HOPE FERN TONGATE, ..... *Graduate Scholar in Greek*.  
 Carlinville, Ill. A.B., Blackburn College, 1908. Teacher in Blackburn Academy and College, 1908-12.
- EDITH BUELL WRIGHT, ..... *History and French*.  
 Detroit, Mich. A.B., Bryn Mawr College, 1900. Private Tutor, 1901-02, 1904-05; Warden of Merion Hall and Graduate Student, Bryn Mawr College, 1911-13.

### *Undergraduate Students, Academic Year, 1912-13.*

- ABERNETHY, FLORENCE ROSAMOND, ..... *Group*, ———, 1911-13.  
 Bryn Mawr, Pa. Prepared by the Lower Merion High School, Ardmore, Pa.
- ADAMS, JESSIE ST. JOHN,  
     *Group, Modern History, Economics and Politics*, 1912-13.  
 Louisville, Ky. Prepared by St. Timothy's School, Catonsville, Md.
- ALBERTSON, MARY, ..... *Group*, ———, 1911-13.  
 Magnolia, N. J. Prepared by the Friends' Central School, Philadelphia.
- ALDEN, RUTH WESTON, ..... *Group*, ———, 1912-13.  
 Rochester, N. Y. Prepared by the Baldwin School, Bryn Mawr, Pa., and by private tuition.
- ALLEN, ELEANOR BRADFORD, ..... *Group, Chemistry and Biology*, 1910-13.  
 Bonita, Cal. Prepared by the High School, National City, Cal., and by the Bishop's School, San Diego, Cal.
- ALLPORT, CAROLINE ELIZABETH,  
     *Group, French and Modern History*, 1910-13.  
 Chicago, Ill. Prepared by the University School for Girls, Chicago.
- ARTHURS, MARTHA MONTGOMERY, *Group, Chemistry and Biology*, 1910-13.  
 Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- ASH, RACHEL, ..... *Group, Chemistry and Biology*, 1911-13.  
 Philadelphia. Prepared by the Girls' High School, Philadelphia. City Scholar, 1911-12, and Trustees' Philadelphia Girls' High School Scholar, 1912-13.
- ATHERTON, ELIZABETH GRIER,  
     *Group, Modern History and Economics and Politics*, 1910-11, 1912-13.  
 Wilkes Barre, Pa. Prepared by the Wilkes Barre Institute, Wilkes Barre.
- ATHERTON, SARAH HENRY,  
     *Group, Modern History and Economics and Politics*, 1909-13.  
 Wilkes Barre, Pa. Prepared by the Wilkes Barre Institute, Wilkes Barre.
- ATKINSON, EMILY NIERNSEE, ..... *Group*, ———, 1912-13.  
 Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- AUSTIN, DOROTHY LILLIAN, ..... *Group*, ———, 1912-13.  
 New York City. Prepared by Dana Hall School, Wellesley, Mass.
- AYER, ELIZABETH,  
     *Group, Modern History and Economics and Politics*, 1910-13.  
 Boston, Mass. Prepared by the Winsor School, Boston, Mass., and by Miss Porter's School, Farmington, Conn.

- BAECHLE, CECELIA IRENE, . . . . . *Group, Latin and German, 1909-13.*  
Philadelphia. Prepared by Notre Dame Academy, Hamilton, O., and by the Girls' High School, Philadelphia. City Scholar, 1909-13.
- BAILEY, ELIZABETH, . . . . . *Group, French and Modern History, 1911-13.*  
Harrisburg, Pa. Prepared by the Misses Seiler's School, Harrisburg, and by St. Timothy's School, Catonsville, Md.
- BAIRD, JANET, . . . . . *Group, English and Comparative Literature, 1910-13.*  
Sharon Hill, Pa. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1910-13, and James E. Rhoads Junior Scholar, 1912-13.
- BAIRD, MILDRED, . . . . .  
*Group, Modern History and Economics and Politics, 1910-13.*  
Sharon Hill, Pa. Prepared by the Girls' High School, Philadelphia. First Bryn Mawr Matriculation Scholar for Pennsylvania and the Southern States, 1910-11, and City Scholar, 1910-13.
- BAKER, EUGENIA GRIFFIN, . . . . .  
*Group, English and Comparative Literature, 1910-13.*  
New York City. Prepared by Rosemary Hall, Greenwich, Conn.
- BAKER, VIRGINIA, . . . . . *Group, ———, 1912-13.*  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore, Md.
- BALDERSTON, ELIZABETH GRECIAN, . . . . .  
*Group, English and Comparative Literature, 1910-13.*  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Bryn Mawr School Scholar, 1910-13.
- BALDWIN, DOROTHEA DE FOREST, . . . . .  
*Group, German and Modern History, 1909-13.*  
New York City. Prepared by Rye Seminary, Rye, N. Y., by Mrs. Merrill's School for Girls, Oaksmere, N. Y., and by private tuition.
- BALDWIN, ELIZABETH FORD, *Group, French and Modern History, 1910-13.*  
New York City. Prepared by the Bryn Mawr School, Baltimore, Md.
- BARNETT, HAZEL KATHRYN, . . . . . *Group, ———, 1911-13.*  
Bedford, Pa. Prepared by the High School, Bedford.
- BARNETT, HELEN MARY, . . . . . *Group, ———, 1912-13.*  
Bedford, Pa. Prepared by the High School, Bedford, and by the Misses Kirk's School, Bryn Mawr, Pa.
- BARRETT, HELEN JUANITA, . . . . .  
*Group, Modern History and Economics and Politics, 1909-13.*  
Glenolden, Pa. Prepared by the Friends' Central School, Philadelphia.
- BARTHOLOMEW, GRACE, . . . . . *Group, Greek and German, 1909-13.*  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1909-13.
- BARTLETT MARGUERITE GOLD . . . . .  
*Group, Modern History and Economics and Politics, 1909-13.*  
Philadelphia. Prepared by the High School, Chester, Pa., and by the Girls' High School, Philadelphia.
- BATCHELDER, KATHRYNE CHASE, . . . . . *Group, ———, 1912-13.*  
Faribault, Minn. Prepared by the High School, Faribault. University of Minnesota, 1911-12.
- BATCHELOR, JEAN MURIEL, . . . . . *Group, English and Philosophy, 1910-13.*  
Philadelphia. Prepared by the Girls' High School, Philadelphia.
- BECHTEL, DOROTHEA, . . . . . *Group, English and French, 1910-13.*  
Carpenter, Del. Prepared by the Friends' School, Wilmington, Del.

BELLEVILLE, DOROTHY,.....*Group*, ———, 1912-13.  
Sewickley, Pa. Prepared by the High School, Sewickley.

BENEDICT, ISABEL HOPKINS,  
*Group, Modern History and Economics and Politics*, 1910-13.  
New York City. Prepared by the Misses Rayson's School, New York City.

BENSBERG, BETSY BROOKE BRIGHT,  
*Group, Modern History and ———*, 1912-13.  
St. Louis, Mo. Prepared by Penn Hall, Chambersburg, Pa., and by private tuition and by the Misses Kirk's School, Bryn Mawr, Pa.

BERING, MARY ISABEL,  
*Group, Economics and Politics and Philosophy*, 1910-13.  
Decatur, Ill. Prepared by the High School, Decatur, and by the Misses Kirk's School, Bryn Mawr, Pa.

BIXLER, RENA CATHERINE, . . . *Group, Mathematics and Physics*, 1910-13.  
Pittsburgh, Pa. Prepared by the Stuart Mitchell School, Pittsburgh, and by the Winchester School, Pittsburgh.

BLAINE, MARGARET GRAHAM,  
*Group, Modern History and Economics and Politics*, 1909-13.  
Taunton, Mass. Prepared by the High School, Taunton, and by Miss May's School, Boston, Mass.

BLAKE, DOROTHY TURNER, . . *Group, French and Modern History*, 1909-13.  
Boston, Mass. Prepared by Miss Haskell and Miss Dean's School, Boston. First Bryn Mawr Matriculation Scholar for the New England States, 1909-10.

BLANC, ZENA JENNIE, . . . . . *Group, Mathematics and ———*, 1911-13.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Charles E. Ellis Scholar, 1911-12; additional James E. Rhoads Sophomore Scholar and Special Scholar, 1912-13.

BLANCHARD, MARGARET TERRY,  
*Group, Economics and Politics and Philosophy*, 1910-13.  
New York City. Prepared by the Veltin School, New York City.

BLOUNT, EUGENIA, . . . . . *Group*, ———, 1911-13.  
Birmingham, Ala. Prepared by the High School, Birmingham, and by private tuition.

BOARDMAN, WYNANDA KOEHLIN,  
*Group, French and History of Art*, 1910-13.

Troy, N. Y. Prepared by Miss Knox's School, Briarcliff Manor, N. Y., and by Rosemary Hall, Greenwich, Conn.

BONTECOU, ELEANOR, . . . . . *Group, Latin and Spanish*, 1909-13.  
Orange, N. J. Prepared by Miss Beard's School, Orange. First Bryn Mawr Matriculation Scholar for New York, New Jersey, and Delaware, 1908-09, and Brooke Hall Memorial Scholar, 1912-13.

BOYD, JESSIE,  
*Group, Modern History and Economics and Politics*, 1910-13.  
New York City. Prepared by the Veltin School, New York City.

BOYER, FRANCES ELIZABETH, . . . . . *Group, Latin and ———*, 1911-13.  
Pottsville, Pa. Prepared by the High School, Pottsville, and by the Dwight School, Englewood, N. J.

BRADFORD, HARRIET, . . . . . *Group*, ———, 1911-13.  
San Francisco, Cal. Prepared by the Lowell High School, San Francisco.

BRADLEY, FRANCES SLADEN, . . . . . *Group*, ———, 1912-13.  
Fort Leavenworth, Kans. Prepared by Portland Academy, by St. Helen's Hall, Portland, Ore., and by the Baldwin School, Bryn Mawr, Pa.

- BRADWAY, MARGARET SAEGER,  
*Group, French and Modern History, 1911-13.*  
 Haverford, Pa. Prepared by the Moses Brown School, Providence, R. I.
- BRACELEY, ELIZABETH,.....*Group, ———, 1912-13.*  
 Freehold, N. J. Prepared by the High School, Freehold, and by the Baldwin School,  
 Bryn Mawr, Pa.
- BRALEY, ELIZABETH,.....*Group, Latin and French, 1910-13.*  
 Concord, Mass. Prepared by the High School, Concord. Maria Hopper Sophomore  
 Scholar, 1911-12.
- BRANDEIS, JEAN,.....*Group, Greek and ———, 1912-13.*  
 Louisville, Ky. Prepared by the Kentucky Home School, Louisville.
- BRANDEIS, SUSAN,  
*Group, Modern History and Economics and Politics, 1911-13.*  
 Boston, Mass. Prepared by the Winsor School, Boston.
- BRANDON, ROSE,  
*Group, Modern History and Economics and Politics, 1910-13.*  
 Butler, Pa. Prepared by the High School, Butler, and by private tuition.
- BRANHAM, JULIET CAPERS,.....*Group, Greek and ———, 1912-13.*  
 Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Bryn Mawr School  
 Scholar, 1912-13.
- BRANSON, LAURA ELIZABETH,.....*Group, Latin and ———, 1911-13.*  
 Coatesville, Pa. Prepared by the High School, Coatesville.
- BRANSON, MARY GARRETT,.....*Group, ———, 1912-13.*  
 Rosemont, Pa. Prepared by Miss Wright's School, Bryn Mawr, Pa., and by the West-  
 town Boarding School, Westtown, Pa.
- BRIDGE, ISABELLE,....*Group, German and Italian and Spanish, 1912-13.*  
 Evanston, Ill. Prepared by the Evanston Academy, Evanston, and by the Misses Ship-  
 ley's School, Bryn Mawr, Pa. Northwestern University, 1911-12.
- BROCKSTEDT, CLARISSA BEATRICE,  
*Group, Economics and Politics and Philosophy, 1909-13.*  
 St. Louis, Mo. Prepared by the Yeatman High School, St. Louis.
- BROOKS, HELEN JANE,.....*Group, ———, 1912-13.*  
 Wichita, Kans. Prepared by Fairmount Academy, Wichita. University of Chicago,  
 1910-12.
- BROWN, ANNA HAINES,  
*Group, Modern History and Economics and Politics, 1911-13.*  
 Philadelphia. Prepared by Miss Sayward's School, Philadelphia, and by private tuition.
- BROWN, CHRISTINE,  
*Group, Modern History and Economics and Politics, 1910-13.*  
 Springfield, Ill. Prepared by Stuart School, Springfield, by the Monticello School, Alton,  
 Ill., by Rosemary Hall, Greenwich, Conn., and by private tuition.
- BROWN, JOSEPHINE CHAPIN, *Group, Physics and Biology, 1906-08, 1911-13.*  
 St. Paul, Minn. Prepared by the Ogdensburg Free Academy, Ogdensburg, N. Y., and  
 by private tuition. Holder of Maria Hopper Scholarship, 1907-08; Teacher of Latin  
 in Mrs. Backus's School for Girls, St. Paul, Minn., 1910-11. Thomas H. Powers  
 Memorial Scholar, 1911-13; Special Scholar, 1912-13.
- BROWN, MARGERY LORRAINE,.....*Group, ———, 1912-13.*  
 Bryn Mawr, Pa. Prepared by the Baldwin School, Bryn Mawr.
- BROWN, MARY WILMARTH,  
*Group, Chemistry and Biology, 1908-10, 1911-13.*  
 Chicago, Ill. Prepared by the University High School, Chicago.



- BROWNELL, MARY GERTRUDE,.....*Group*, ———, 1911-13.  
 Providence, R. I. Prepared by Miss Wheeler's School, Providence, and by St. Timothy's School, Catonsville, Md., and by private tuition.
- BRYANT, CATHARINE REQUA,.....*Group*, ———, 1911-13.  
 Chicago, Ill. Prepared by the Loring School, Chicago.
- BRYANT, ELIZABETH SOHIER, *Group, Modern History and* ———, 1910-13.  
 Cohasset, Mass. Prepared by the Winsor School, Boston, Mass.
- BRYNE, EVA ALICE WORRALL,.....*Group*, ———, 1912-13.  
 Philadelphia. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1912-13.
- BUCHANAN, ETHEL,.....*Group, Latin and French*, 1911-13.  
 Philadelphia. Prepared by the High School, Bridgeport, Conn.
- BUCHANAN, JESSIE CROW, *Group, Latin and Italian and Spanish*, 1909-13.  
 Trenton, N. J. Prepared by the State Model School, Trenton.
- BUCHANAN, MARY CROW,  
*Group, Modern History and Economics and Politics*, 1910-13.  
 Trenton, N. J. Prepared by the Rand Collegiate School, Trenton, and by the Misses Kirk's School, Bryn Mawr, Pa.
- BURCHARD, AGNES ELIZABETH,.....*Group*, ———, 1911-13.  
 New York City. Prepared by the Veltin School, New York City.
- BURT, ALENE,.....*Group*, ———, 1912-13.  
 New York City. Prepared by the Veltin School, New York City.
- CADBURY, LEAH TAPPER,.....*Group, Latin and French*, 1910-13.  
 Haverford, Pa. Prepared by the Westtown Boarding School, Westtown, Pa. Foundation Scholar, 1910-13.
- CAMP, MARION MERRILL,  
*Group, Modern History and Economics and Politics*, 1910-13.  
 Milwaukee, Wis. Prepared by Milwaukee-Downer College Seminary and by Rosemary Hall, Greenwich, Conn.
- CAPEL, FRANK MARCELLA,  
*Group, Modern History and Economics and Politics*, 1910-13.  
 Pittsburgh, Pa. Prepared by the Misses Mitchell's School, Pittsburgh, and by the Misses Shipley's School, Bryn Mawr, Pa.
- CAREY, HELEN FRASER, *Group, French and Italian and Spanish*, 1910-13.  
 New York City. Prepared by the Veltin School, New York City, and by Rosemary Hall, Greenwich, Conn.
- CHAMBERLAIN, MARY MITCHELL, *Group, Chemistry and Biology*, 1911-13.  
 West Raleigh, N. C. Prepared by St. Mary's School, West Raleigh.
- CHAPIN, HELEN BURWELL,  
*Group, Chemistry and Biology*, 1910-11, 1912, 1912-13.  
 St. David's, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- CHASE, HELEN STARKWEATHER,.....*Group*, ———, 1912-13.  
 Waterbury, Conn. Prepared by St. Margaret's School, Waterbury, and by Miss Spence's School, New York City.
- CHASE, MARGARET,.....*Group*, ———, 1912-13.  
 Titusville, Pa. Prepared by the High School, Titusville, and by Miss Wright's School, Bryn Mawr, Pa.
- CHILDS, MARJORIE,.....*Group, Mathematics and Physics*, 1910-13.  
 Norristown, Pa. Prepared by the High School, Norristown, and by the Misses Kirk's School, Bryn Mawr, Pa.
- CLARK, DORA MILDRED,.....*Hearer by Courtesy in History of Art*, 1913.  
 Castleton, Vt. Prepared by the Normal School, Castleton. Simmons College, Boston. Trained Nurse, Bryn Mawr College, 1912-13.

- CLINTON, ELEANOR MARCELLA, ..... *Group*, ———, 1912-13.  
Philadelphia. Prepared by the Portland Academy, Portland, Ore., and by the Girls' High School, Philadelphia. Second Bryn Mawr Matriculation Scholar for Pennsylvania and Southern States, Frances Marion Simpson Memorial Scholar, and City Scholar, 1912-13.
- CLINTON, MARION DOROTHEA, ..... *Group, Greek and Latin*, 1909-13.  
Portland, Ore. Prepared by the Lincoln High School, Portland, and by Portland Academy. First Bryn Mawr Matriculation Scholar for the Western States 1909-10; James E. Rhoads Sophomore Scholar, 1910-11, and James E. Rhoads Junior Scholar, 1911-12; Anna M. Powers Memorial Scholar, 1912-13.
- COCKRELL, JOSEPHINE ELEANOR, ..... *Group, Latin and French*, 1909-13.  
Dallas, Tex. Prepared by St. Mary's College, Dallas, and by the Misses Kirk's School, Bryn Mawr, Pa.
- COLLINS, PHYLLIS, ..... *Group*, ———, 1911-13.  
Cincinnati, O. Prepared by the National Cathedral School, Washington, D. C., and by the Baldwin School, Bryn Mawr, Pa.
- COLT, ELIZABETH FITZHUGH, ..... *Group, French and Spanish*, 1910-13.  
Mt. Vernon, N. Y. Prepared by the Dearborn-Morgan School, Orange, N. J., and by Dana Hall, Wellesley, Mass.
- COOLIDGE, 2ND, MARY LOWELL, *Group, English and Philosophy*, 1910-13.  
Concord, Mass. Prepared by Miss White's School, Concord, and by the Winsor School, Boston, Mass.
- COX, DOROTHY HANNAH, ..... *Group, Mathematics and Physics*, 1910-13.  
Terre Haute, Ind. Prepared by Monticello Seminary, Godfrey, Ill., by the Classical School, Terre Haute, and by the Misses Shipley's School, Bryn Mawr, Pa.
- COX, JR., LENORE HANNA, ..... *Group*, ———, 1912-13.  
Terre Haute, Ind. Prepared by the State Normal Training School, Terre Haute, and by Monticello Seminary, Godfrey, Ill.
- COX, LILLIEN ADELE, ..... *Group, Modern History and Economics and Politics*, 1910-13.  
Milburn, N. J. Prepared by the Dearborn-Morgan School, Orange, N. J., and by Dana Hall, Wellesley, Mass.
- CREIGHTON, CATHERINE, ..... *Group, Modern History and Economics and Politics*, 1910-13.  
Evanston, Ill. Prepared by Miss Kelly's School, Scituate, Mass.
- CROWELL, CAROLINE, ..... *Group*, ———, 1912-13.  
Avondale, Pa. Prepared by private tuition.
- DARKOW, MARGUERITE DAISY, *Group, Mathematics and Physics*, 1911-13.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. First Bryn Mawr Matriculation Scholar for Pennsylvania and the Southern States, 1911-12, and Simon Muhr Scholar, 1911-13.
- DARLOW, IDA ROWENA, ..... *Group*, ———, 1912-13.  
Omaha, Neb. Prepared by Brownell Hall, Omaha. University of Nebraska, 1911-12.
- DAVIDSON, LUCILE, . . . *Group, Economics and Politics and* ———, 1911-13.  
Fort Worth, Tex. Prepared by the Veltin School, New York City.
- DAVIS, DOROTHY LIVINGSTON, ..... *Group, Modern History and Economics and Politics*, 1909-13.  
New York City. Prepared by the Le Baron Drumm School, New York City, and by the Gordon-Winston School, New York City.
- DAVIS, ETHEL BELLE, ..... *Hearer by Courtesy in Philosophy*, 1913.  
Medford, Mass. Prepared by the Elmhurst Private School for Girls, Arlington, Mass. Trained Nurse, Bryn Mawr College, 1912-13.

DAVIS, JEAN SCOBIE,

*Group, Modern History and Economics and Politics, 1910-13.*

Princeton, N. J. Prepared by Deutsche Landerziehungsheim, Sieversdorf, Germany, and by the Princeton School, Princeton. First Bryn Mawr Matriculation Scholar for New York, New Jersey and Delaware, 1910-11.

DAY, ROSALIE, ..... *Group, French and Spanish, 1908-13.*

Catskill, N. Y. Prepared by Wykeham Rise, Washington, Conn.

DELANO, LAURA,

*Group, Modern History and Economics and Politics, 1910-13.*

Chicago, Ill. Prepared by the Francis W. Parker School, Chicago, and by Miss Wright's School, Bryn Mawr, Pa.

DEMING, AGATHE,

*Group, Modern History and Economics and Politics, 1909-13.*

New York City. Prepared by the Veltin School, New York City.

DEMING, JULIA, ..... *Group, Biology and ———, 1911-13.*

Oswego, Kan. Prepared by Oswego College and by the Baldwin School, Bryn Mawr, Pa.

DENEEN, DOROTHY, ..... *Group, ———, 1912-13.*

Springfield, Ill. Prepared by the High School, Springfield, and by Rosemary Hall, Greenwich, Conn.

DESSAU, ENID, ..... *Group, ———, 1911-13.*

New York City. Prepared by the Gordon-Winston School, New York City, and by the Hawthorne School, New York City.

DESSAU, FLORENCE MAUD, ..... *Group, Latin and Mathematics, 1909-13.*

New York City. Prepared by the Le Baron Drumm School, New York City, and by the Gordon-Winston School, New York City. First Bryn Mawr Matriculation Scholar for New York, New Jersey and Delaware, 1909-10.

DE VENISH, ADDIE CLEORA, ..... *Group, ———, 1912-13.*

Philadelphia. Prepared by the Hannah More Academy, Reisterstown, Md., by the Girls' High School, Philadelphia, and by private tuition.

DILLINGHAM, LOUISE BULKELEY, ..... *Group, German and French, 1912-13.*

Millburn, N. J. Prepared by the Short Hills School, Short Hills, N. J. Second Bryn Mawr Matriculation Scholar for New York, New Jersey and Delaware, 1912-13.

DODD, KATHARINE, ..... *Group, Chemistry and Biology, 1910-13.*

Chestnut Hill, Mass. Prepared by Miss Haskell and Miss Dean's School, Boston, Mass. First Bryn Mawr Matriculation Scholar for the New England States, 1910-11.

DODD, MARGARET PERLEY, ..... *Group, ———, 1912-13.*

Chestnut Hill, Mass. Prepared by Miss Haskell and Miss Dean's School, Boston, Mass.

DONCHIAN, EUGENIE, ..... *Group, ———, 1912-13.*

New York City. Prepared by the Horace Mann School, New York City.

DOUGHERTY, ELEANOR,

*Group, Economics and Politics and Philosophy, 1911-13.*

New York City. Prepared by the Packer Collegiate Institute, Brooklyn, and by the Veltin School, New York City.

DOWD, CONSTANCE ELEANOR, ..... *Group, ———, 1912-13.*

New York City. Prepared by the Misses Rayson's School, New York City.

DUNHAM, ETHEL COLLINS, ..... *Group, Chemistry and Biology, 1910-13.*

Hartford, Conn. Prepared by Miss Porter's School, Farmington, Conn.

ELWOOD, CATHERINE PRESCOTT,

*Group, French and Modern History, 1911-13.*

Minneapolis, Minn. Prepared by Stanley Hall School, Minneapolis, and by "Les Marronniers," Paris, France.



- EMERY, GERTRUDE CANTERBURY,  
*Group, Modern History and ———, 1911-13.*  
 Boston, Mass. Prepared by the Misses May's School, Boston.
- ENGELHARD, MARGARET JEAN,.....*Group, ———, 1912-13.*  
 Evanston, Ill. Prepared by the High School, Evanston and by Sweet Briar College,  
 Sweet Briar, Va.
- ERBSLOH, OLGA HELEN CLARA,  
*Group, Economics and Politics and Philosophy, 1911-13.*  
 New York City. Prepared by the Brearley School, New York City.
- EVANS, DOROTHY MORTON,  
*Group, Modern History and Economics and Politics, 1913.*  
 St. Louis, Mo. Prepared by the Central High School, St. Louis, and by the University  
 Preparatory School, Columbus, Mo. University of Missouri, 1912-13.
- EVANS, HELENE REBECCA,  
*Hearer in Latin, English and Economics and Politics, 1911-13.*  
 Philadelphia. Prepared by the Commercial High School for Girls, Philadelphia, by the  
 Gordon School, Philadelphia, and by private tuition.
- EVANS, MARION ANNETTE,....*Group, French and History of Art, 1910-13.*  
 Wilkes Barre, Pa. Prepared by the Wilkes Barre Institute.
- FABIAN, ELIZABETH STORRS,  
*Group, Modern History and Economics and Politics, 1909-13.*  
 Evanston, Ill. Prepared by the High School, Evanston.
- FAULKNER, ELLEN,.....*Group, Chemistry and Biology, 1909-13.*  
 Keene, N. H. Prepared by the High School, Keene, by the MacDuffie School, Springfield,  
 Mass., and by private tuition.
- FLEISHER, MADELEINE WOLF,.....*Group, Physics and Philosophy, 1910-13.*  
 Philadelphia. Prepared by the Misses Kirk's School, Bryn Mawr, Pa.
- FLEMING, HARRIET EDNA,.....*Group, French and Spanish, 1910-13.*  
 Philadelphia. Prepared by the Girls' High School, Philadelphia.
- FORDYCE, REBECCA WALTON,.....*Group, ———, 1912-13.*  
 Youngstown, O. Prepared by the Yale Avenue Private School and by the Rayen School,  
 Youngstown.
- FORSTER, SOPHIE KATHARINE,.....*Group, German and Modern History, 1910-13.*  
 Philadelphia. Prepared by the Girls' High School, Philadelphia. Special Scholar,  
 1910-12.
- FOSTER, ISABEL,.....*Group, English and ———, 1911-13.*  
 Portsmouth, N. H. Prepared by the High School, Portsmouth.
- FRANCIS, CLARA JANE,  
*Group, Modern History and Economics and Politics, 1908-13.*  
 Martins Ferry, O. Prepared by the High School, Martins Ferry.
- FREE, MARGARET LOUISE,.....*Group, ———, 1911-13.*  
 Pittsburgh, Pa. Prepared by Dilworth Hall, Pittsburgh, and by the High School, Pitts-  
 burgh.
- FREER, ELEANOR,.....*Group, ———, 1911-13.*  
 Chicago. Prepared by the University School for Girls, Chicago. First Bryn Mawr  
 Matriculation Scholar for the Western States, 1911-12.
- FULLER, CLARA BERTRAM,.....*Group, ———, 1912-13.*  
 New York City. Prepared by the Cornish School, Windsor, Vt., and by the Brearley  
 School, New York City.



- FYFE, FLORENCE MARJORIE,  
*Group, Modern History and Economics and Politics, 1911-13.*  
 Winnetka, Ill. Prepared by Kemper Hall, Kenosha, Wis. Second Bryn Mawr Matriculation Scholar for the Western States, 1911-12.
- GAIL, NANNIE,.....*Group, ———, 1912-13.*  
 Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- GALE, ELEANORE EDWARDS,  
*Group, Modern History and Economics and Politics, 1910-13.*  
 Washington, D. C. Prepared by the National Cathedral School, Washington, and by the Misses Kirk's School, Bryn Mawr, Pa.
- GARDNER, MABEL,.....*Group, Greek and French, 1910-13.*  
 Providence, R. I. Prepared by Miss Wheeler's School, Providence.
- GARFIELD, LUCRETIA,.....*Group, ———, 1912-13.*  
 Williamstown, Mass. Prepared by St. Timothy's School, Catonsville, Md.
- GIBSON, LOUISE ISABEL,.....*Group, Physics and Mathematics, 1909-13.*  
 Birmingham, Ala. Prepared by the Margaret Allen School, Birmingham.
- GLASCOCK, EMILY,.....*Group, ———, 1912-13.*  
 Upperville, Va. Prepared by the Baldwin School, Bryn Mawr, Pa.
- GLENN, RUTH, *Group, Modern History and Economics and Politics, 1911-13.*  
 Johnstown, Pa. Prepared by the High School, Johnstown.
- GODLEY, CATHERINE SHERRED,.....*Group, ———, 1912-13.*  
 Cincinnati, O. Prepared by the College Preparatory School for Girls, Cincinnati.
- GOLDSMITH, CECILE ADLER,.....*Group, German and French, 1909-13.*  
 Philadelphia. Prepared by the Girls' High School, Philadelphia. City Scholar, 1909-13.
- GOODALL, WINIFRED, *Group, English and Comparative Literature, 1910-13.*  
 Cincinnati, O. Prepared by the Bartholomew-Clifton School, Cincinnati, by the Misses Shipley's School, Bryn Mawr, Pa., and by the College Preparatory School, Cincinnati.
- GOODHUE, MARY BROOKS,.....*Group, ———, 1911-13.*  
 Philadelphia. Prepared by the Westtown Boarding School, Westtown, Pa., and by the Misses Shipley's School, Bryn Mawr, Pa.
- GOODNOW, LOIS ROOT,.....*Group, ———, 1912-13.*  
 New York City. Prepared by the Veltin School, New York City, by Rosemary Hall, Greenwich, Conn., and by private tuition.
- GRABAU, AGNES WELLS,.....*Group, ———, 1912-13.*  
 Plattsburg, N. Y. Prepared by the High School, Plattsburgh.
- GRAY, ELIZABETH LOWELL,..*Hearer by Courtesy in Modern History and History of Art, 1908-09, 1910, 1912-13.*  
 Hull, Mass. Assistant Director of Athletics and Gymnastics, Bryn Mawr College, 1908-13.
- GREENEWALD, JEANNETTE REEFER, *Group, German and French, 1912-13.*  
 Philadelphia. Prepared by the Girls' High School, Philadelphia. Charles E. Ellis Scholar, 1912-13.
- HAENSSLER, MILDRED,  
*Group, Modern History and Economics and Politics, 1910-13.*  
 St. Charles, Mo. Prepared by the High School, St. Charles. James E. Rhoads Sophomore Scholar, 1911-12; Anna Hallowell Memorial Scholar, 1912-13.
- HAINES, MARY TROTH,.....*Group, English and German, 1910-13.*  
 Moorestown, N. J. Prepared by the Westtown Boarding School, Westtown, Pa., and by the Friends' Select School, Philadelphia.
- HALPEN, SARA MARION,.....*Group, Latin and German, 1909-13.*  
 Philadelphia. Prepared by the Girls' High School, Philadelphia. City Scholar, 1909-13.

- HAMILTON, AMY GORDON, . . . . . *Group, Greek and English*, 1909-13.  
Tenaflly, N. J. Prepared by the Dwight School, Englewood, N. J.
- HARDING, CHARLOTTE GITTINGS, . . . . . *Group*, ———, 1912-13.  
Washington, D. C. Prepared by the National Cathedral School for Girls, Washington.
- HARDON, ANNE FRANCES,  
*Group, Modern History and Economics and Politics*, 1911-13.  
New York City. Prepared by the Brearley School, New York City, and by Rosemary Hall, Greenwich, Conn.
- HARLAN, MARY MONROE, . . . . . *Group, Latin and Mathematics*, 1911-13.  
Bel Air, Md. Prepared by the High School, Bel Air, and by the Bryn Mawr School, Baltimore, Md. Special Scholar, 1912-13.
- HARRISON, JULIA LEIGH, . . . . . *Group*, ———, 1911-13.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- HASKELL, MARGARET KINGSLAND, . . . . . *Group*, ———, 1912-13.  
Lincoln, Neb. Prepared by the Wolcott School, Denver, Colo.
- HATTON, FLORENCE GAGE, . . . . . *Group*, ———, 1911-13.  
Columbus, O. Prepared by the Columbus School for Girls.
- HAYDOCK, LOUISA LOW, . . . . . *Group, Chemistry and Biology*, 1909-13.  
Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia, by the Agnes Irwin School, Philadelphia, and by the Low-Heywood School, Stamford, Conn.
- HAYES, BEATRICE MCAFEE, *Group, French and Modern History*, 1911-13.  
Chicago, Ill. Prepared by the University School for Girls, Chicago.
- HEAD, CATHERINE ESTHER, . . . . . *Group*, ———, 1911-13.  
Madison, Wis. Prepared by the High School, Madison. University of Wisconsin, 1910-11.
- HEARNE, ALICE,  
*Group, Modern History and Economics and Politics*, 1909-13.  
Wayne, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.
- HELLINGS, ELEANOR LOUISE,  
*Group, Modern History and Economics and Politics*, 1910-12.  
Devon, Pa. Prepared by Miss Wright's School, Bryn Mawr, Pa., and by private tuition. Elizabeth Duane Gillespie Scholar, 1912-13.
- HEWITT, CANDACE,  
*Group, Modern History and Economics and Politics*, 1911-13.  
New York City. Prepared by the Brearley School, New York City, and by Rosemary Hall, Greenwich, Conn.
- HEYDEMANN, CLARA WALLACE, . . . . . *Group*, ———, 1912-13.  
St. Paul, Minn. Prepared by Mrs. Backus's School, St. Paul. Second Bryn Mawr Matriculation Scholar for the Western States, 1912-13.
- HICKMAN, MARY LEE, . . . . . *Group*, ———, 1912-13.  
Glenview, Ky. Prepared by the Public Schools, Louisville, Ky., and by Miss Wright's School, Bryn Mawr, Pa.
- HILL, ELEANOR HOUSTON, . . . . . *Group, Latin and* ———, 1912-13.  
Evanston, Ill. Prepared by the Evanston Township High School. Northwestern University, 1911-12.
- HINRICHS, GERTRUDE MARY,  
*Group, Modern History and Economics and Politics*, 1909-13.  
Glen Ridge, N. J. Prepared by the High School, Glen Ridge, and by private tuition.
- HITCHCOCK, FLORENCE, . . . . . *Group*, ———, 1912-13.  
Philadelphia. Prepared by the Misses Kirk's School, Bryn Mawr, Pa.

- HITOTSUYANAGI, MAKI, . . . . . *Group*, ———, 1912-13.  
Bryn Mawr, Pa. Prepared by the Misses Kirk's School, Bryn Mawr.
- HOBSON, MARTHA BARBOUR, . . . . . *Group, Latin and English*, 1910-13.  
Chicago, Ill. Prepared by the University School for Girls, Chicago. First Bryn Mawr  
Matriculation Scholar for the Western States, 1910-11.
- HOLLIDAY, ELIZABETH CRUFT, . . . . . *Group*, ———, 1912-13.  
Indianapolis, Ind. Prepared by Tudor Hall, Indianapolis, and by the Shortridge High  
School, Indianapolis.
- HOLLINGSWORTH, LOUISE WALKER, . . . . . *Group*, ———, 1911-13.  
Athens, Ga. Prepared by Lucy Cobb Institute, Athens, Ga.
- HOLMES, HELEN BUCHANAN, . . . . . *Group*, ———, 1912-13.  
Cincinnati, O. Prepared by the College Preparatory School, Cincinnati.
- HOLMES, MAUD WISLIZENUS, . . . . .  
*Group, Physics and Mathematics*, 1909-11, 1912-13.  
St. Louis, Mo. Prepared by The Mary Institute, St. Louis. Second Bryn Mawr Matricu-  
lation Scholar for the Western States, 1909-10.
- HOPKINSON, RUTH WARREN, . . . . . *Group*, ———, 1911-13.  
Lakewood, O. Prepared by the West High School, Cleveland, O.
- HORNBERGER, AGNES WARREN, . . . . . *Group, Biology and* ———, 1911-13.  
Pittsburgh, Pa. Prepared by the Thurston-Gleim Preparatory School, Pittsburgh.
- HUBBARD, RUTH, . . . . . *Group, Latin and* ———, 1911-13.  
Fort Moultrie, S. C. Prepared by the Misses Allen's School, West Newton, Mass.
- HUGHES, MARY DOROTHY, . . . . . *Group, French and* ———, 1910-13.  
Wilkinsburg, Pa. Prepared by the High School, Wilkinsburg, and by private tuition.
- HUMPHREY, ALICE ROBBINS, . . . . . *Group, French and* ———, 1911-13.  
New York City. Prepared by the Veltin School, New York City.
- HUNTINGTON, KATHARINE, . . . . .  
*Group, Modern History and Economics and Politics*, 1910-13.  
Princeton, N. J. Prepared by the Princeton School. Second Bryn Mawr Matriculation  
Scholar for New York, New Jersey, and Delaware, 1910-11.
- HUSE, ELEANOR BAKER, . . . . . *Group, French and Modern History*, 1911-13.  
Boston, Mass. Prepared by Rogers Hall, Lowell, Mass., by Miss Low's School, Stamford,  
Conn., and by the Misses Allen's School, West Newton, Mass.
- IRISH, FLORENCE CATHERINE, . . . . .  
*Group, Modern History and Economics and Politics*, 1909-13.  
Norristown, Pa. Prepared by Miss Roney's School, Bala, Pa.
- IRVIN, HELEN WALKLEY, . . . . . *Group, Greek and* ———, 1911-13.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Bryn Mawr School  
Scholar, 1911-12; Maria Hopper Sophomore Scholar, 1912-13.
- IRWIN, MARIAN, . . . . . *Group, Chemistry and Biology*, 1909-13.  
Tokio, Japan. Prepared by the Baldwin School, Bryn Mawr, Pa.
- IVORY,\* ELIZABETH SCHOFIELD, . . . . . *Group*, ———, 1911-13.  
Claymont, Del. Woman's Medical College of Pennsylvania, 1909-10. Hearer, 1911-13.
- JACKSON, EUGENIA LOUISE, . . . . .  
*Group, Modern History and Economics and Politics*, 1910-13.  
Wilmington, Del. Prepared by the Misses Hebb's School, Wilmington.
- JACOBS, MILDRED CLARK, . . . . . *Group*, ———, 1911-13.  
Philadelphia. Prepared by Miss Sayward's School, Overbrook, Philadelphia.

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\* Mrs. P. Van Eman Ivory.



- JAGGARD, ANNE WRIGHT,.....*Group*, ———, 1912-13.  
St. Paul, Minn. Prepared by Rosemary Hall, Greenwich, Conn.
- JENNINGS, BESSIE HOMER,..*Hearer by Courtesy in History of Art*, 1912-13.  
Philadelphia. Graduate, Drexel Institute Library School, 1900. Assistant Cataloguer,  
Bryn Mawr College Library, 1908-13.
- JONES, ELIZABETH LEVERING,.....*Group*, ———, 1912, 1912-13.  
Philadelphia. Prepared by the Bryn Mawr School, Baltimore, Md.
- JONES, GLADYS,  
*Group, Modern History and Economics and Politics*, 1908-13.  
Hazleton, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- JONES, GWLADYS WEBSTER,.....*Group, Latin and French*, 1910-13.  
Ocean Grove, N. J. Prepared by the Neptune Township High School, Ocean Grove, by  
the High School, Asbury Park, N. J., and by private tuition.
- JUSTICE, MILDRED LEWIS,.....*Group*, ———, 1911-13.  
Narberth, Pa. Prepared by the High School, Narberth.
- KEENEY, HELEN,.....*Group, French and Italian*, 1912-13.  
Philadelphia. Prepared by the High School, Rockville, Conn.
- KELLEN, CONSTANCE,.....*Group*, ———, 1912-13.  
Cohasset, Mass. Prepared by Miss Wright's School, Bryn Mawr, Pa.
- KELLER, MARIE OTTILIE,.....*Group, German and* ———, 1911-13.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia  
Girls' High School Scholar, 1911-13.
- KELLOGG, FREDRIKA MASON,.....*Group*, ———, 1912-13.  
Waterbury, Conn. Prepared by St. Margaret's School, Waterbury and by Rosemary  
Hall, Greenwich, Conn.
- KELLY, ESTHER WARNER,.....*Group*, ———, 1912-13.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- KELLY, OLGA ELIZABETH BREDOW,.. *Group, Greek and English*, 1909-13.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- KENNEDY, LAURA ELIZABETH,.....*Group, French and Spanish*, 1909-13.  
Saratoga Springs, N. Y. Prepared by the High School, Saratoga Springs.
- KENYON, ADRIENNE,.....*Group*, ———, 1911-13.  
New York City. Prepared by Miss Schoonmaker's School, New York City, and by the  
Horace Mann School, New York City. Second (equal) Bryn Mawr Matriculation  
Scholar for New York, New Jersey and Delaware, 1911-12.
- KIRK, EDITH BUCKNER,.....*Group*, ———, 1912-13.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- KIRK, HELEN REED,.....*Group, Latin and Ancient History*, 1910-13.  
Philadelphia. Prepared by the Combined School, Germantown, Philadelphia, and by the  
Girls' High School, Philadelphia. Maria Hopper Sophomore Scholar, 1911-12.
- KLEIN, LARIE MAE,.....*Group*, ———, 1912-13.  
Cincinnati, O. Prepared by the University School, Cincinnati.
- KLEPS, MARIAN CLEMENTINE,.....*Group*, ———, 1912-13.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia  
Girls' High School Scholar, 1912-13.
- KYLE, MARGARET,.....*Group*, ———, 1912-13.  
Plymouth, Mass. Prepared by the High School, Plymouth and by private tuition.
- LANGELLIER, ALICE FLORENCE,.....*Group*, ———, 1912-13.  
Watseka, Ill. Oberlin College, 1910-12.



- LAUTZ, RUTH ELLA, ..... *Group*, ———, 1912-13.  
Pekin, Ill. Prepared by the High School, Pekin, and by the Misses Shipley's School,  
Bryn Mawr, Pa.
- LEE, ANNA CAROLINE, ..... *Group*, ———, 1912-13.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. City Scholar, 1912-13.
- LEE, HELEN, ..... *Group, Latin and French*, 1909-13.  
Philadelphia. Prepared by Milwaukee-Downer College.
- LEVINSON, DORA CLARA, ..... *Group, Chemistry and Biology*, 1911-13.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. City Scholar, 1911-13.
- LEVY, EDNA SOPHIE, ..... *Group, French and Spanish*, 1909-13.  
Pittsburgh, Pa. Prepared by the High School, Pittsburgh.
- LEWIS, MARION HOLMES, ..... *Group*, ———, 1912-13.  
Evanston, Ill. Prepared by the Township High School, Evanston. Northwestern Uni-  
versity, 1911-12.
- LIVINGSTON, FRANCES ELIZABETH,  
*Group, Modern History and Economics and Politics*, 1910, 1910-13.  
Lawrence, Long Island, N. Y. Prepared by St. Mary's Hall, Burlington, N. J., and by  
Miss Mary Jeffers and Miss Florence Peebles, Bryn Mawr, Pa.
- LOBDELL, MARY ARLEVILLE, ..... *Group, Latin and* ———, 1911-13.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. City Scholar, 1911-13.
- LONDON, MARY PARKE, . . . . . *Group, Philosophy and Mathematics*, 1911-13.  
Birmingham, Ala. Prepared by the Margaret Allen School, Birmingham, and by the  
Misses Shipley's School, Bryn Mawr, Pa.
- LORD, ELIZABETH EVANS,  
*Group, Economics and Politics and Philosophy*, 1910-13.  
Plymouth, Mass. Prepared by Miss Wheeler's School, Providence, R. I.
- LOUDON, MARGARET LOUISE, ..... *Group, Greek and* ———, 1912-13.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. City Scholar, 1912-13.
- MABON, MARGARET VAN VRANKEN, ..... *Group*, ———, 1912-13.  
New York City. Prepared by the Brearley School, New York City, 1912-13.
- MABON, ROSA VEDDER, ..... *Group, Latin and French*, 1909-13.  
New York City. Prepared by St. Agnes School, Albany, N. Y., and by the Brearley  
School, New York City.
- MACDONALD, FRANCES, ..... *Group, Latin and* ———, 1911-13.  
Ardmore, Pa. Prepared by the Lower Merion High School, Ardmore. Lower Merion  
High School Scholar, 1911-13.
- DE MACEDO, VIRGINIA, ..... *Group, German and French*, 1912-13.  
Philadelphia. Prepared by the Girls' High School, Philadelphia.
- MACELREE, HELEN, ..... *Group, Latin and English*, 1911-13.  
West Chester, Pa. Prepared by the High School, West Chester.
- MACELREE, MARGARET, ..... *Group, Latin and Mathematics*, 1910-13.  
West Chester, Pa. Prepared by the High School, West Chester, and by the Baldwin  
School, Bryn Mawr, Pa.
- MAGUIRE, ELIZABETH YARNALL,  
*Group, Modern History and Economics and Politics*, 1909-13.  
Philadelphia. Prepared by the Holman School, Philadelphia, and by the Agnes Irwin  
School, Philadelphia.
- MANCHESTER, RUTH COE, ..... *Group, Greek and Latin*, 1909-13.  
Winsted, Conn. Prepared by the Gilbert School, Winsted, Conn. Second Bryn Mawr  
Matriculation Scholar for the New England States, 1909-10; Maria Hopper Scholar,  
1910-11.

MARK, LYDIA MARIE,

*Group, Modern History and Economics and Politics, 1911-13.*

Lake Forest, Ill. Prepared by Ferry Hall, Lake Forest, and by the Baldwin School, Bryn Mawr, Pa.

MARTIN, AMY LAWRENCE,

*Group, Modern History and Economics and Politics, 1911-13.*

Chicago, Ill. Prepared by the Kenwood Institute, Chicago, and by the University School for Girls, Chicago.

MAXWELL, HELEN DOROTHY, . . . . . *Group, Latin and German, 1912-13.*

Narberth, Pa. Prepared by the High School, Narberth.

McCAY, MILDRED BUCKNER, . . . . . *Group, ———, 1912-13.*

Roland Park, Md. Prepared by the Bryn Mawr School, Baltimore, Md.

McCOLLIN, KATHARINE WILLIAMS, . . . . . *Group, ———, 1911-13.*

Philadelphia. Prepared by Miss Wright's School, Bryn Mawr, Pa.

McCREERY, VASHTI, . . . . . *Group, ———, 1911-13.*

Benton, Ill. Prepared by the High School, Benton, and by Ivens Llys, St. Louis, Mo.

McDONALD, CORNELIA, . . . . . *Group, ———, 1912-13.*

Louisville, Ky. Prepared by the Kentucky Home School, Louisville.

McFARLAND, HELEN JOSEPHINE, *Group, Chemistry and Biology, 1911-13.*

Philadelphia. Prepared by the Friends' Preparative Meeting School of Germantown, Philadelphia.

McKEEFREY, CHLOE SPEARMAN, . . . . . *Group, ———, 1912-13.*

Leetonia, O. Prepared by the Baldwin School, Bryn Mawr, Pa.

MEEKER, MARJORIE, . . . . . *Group, ———, 1911-13.*

Columbus, O. Prepared by the Columbus School for Girls.

MELLEN, MARGUERITE,

*Group, Modern History and Economics and Politics, 1909-13.*

Chicago, Ill. Prepared by the University School for Girls, Chicago, and by Rosemary Hall, Greenwich, Conn.

MENENDEZ, LUCINDA POILLON,

*Group, Modern History and Economics and Politics, 1909-13.*

Greenwich, Conn. Prepared by Rosemary Hall, Greenwich, Conn.

MILLER, ALICE CHAPMAN,

*Group, Modern History and Economics and Politics, 1910-13.*

Milwaukee, Wis. Prepared by Milwaukee-Downer College and by Rosemary Hall, Greenwich, Conn.

MILLER, RAMONA BEATRICE, . . . *Group, Mathematics and Physics, 1909-13.*

Philadelphia. Prepared by the Girls' High School, Philadelphia. First Bryn Mawr Matriculation Scholar for Pennsylvania and the Southern States, 1909-10, and Simon Muhr Scholar, 1909-13.

MOORE, DOROTHEA MAY,

*Group, Modern History and Economics and Politics, 1911-13.*

Cambridge, Mass. Prepared by the Gilman School, Cambridge, and by the Misses May's School, Boston, Mass. First Bryn Mawr Matriculation Scholar for the New England States, 1911-13.

MORGAN, MARY CHURCHMAN, *Group, French and Modern History, 1911-13.*

Philadelphia. Prepared by the Friends' Central School, Philadelphia.

MOSES, GEORGETTE OMEGA, . . . . . *Group, ———, 1912-13.*

Mt. Vernon, N. Y. Prepared by the High School, Mt. Vernon.

MUDGE, LILLIAN HERSEY,

*Group, English and Comparative Literature, 1911-13.*

St. Paul, Minn. Prepared by Mrs. Backus's School, St. Paul, and by Rosemary Hall, Greenwich, Conn.

MUNROE, MARGARET ADELAIDE, . . . . . *Group, Latin and English, 1909-13.*

Philadelphia. Prepared by the Girls' High School, Philadelphia. L. C. B. Saul Memorial Scholar, 1909-13.

MURRAY, MARJORIE FRANCES, . . . . . *Group, Physics and Biology, 1909-13.*

Delhi, N. Y. Prepared by Delaware Academy, Delhi, and by St. Agnes School, Albany, N. Y. Maria Hopper Sophomore Scholar, 1910-11; Mary E. Stevens Junior Scholar, 1911-12.

NATHANS, BEATRICE CORNELIA,

*Group, English and Comparative Literature, 1909-13.*

Philadelphia. Prepared by Miss Keyser's School, Philadelphia, by Miss Gordon's School, Philadelphia, and by private tuition.

NEWMAN, RUTH,

*Group, Modern History and Economics and Politics, 1911-13.*

Bridge Hampton, N. Y. Prepared by the Public Schools of Bridge Hampton and Southampton, N. Y.

NEWTON, CAROLINA EDELHEIM, . . . . . *Group, ———, 1910-13.*

Daylesford, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa., and by private tuition.

NICHOLS, SUSAN FARLEY, . . . . . *Group, ———, 1911-13.*

New York City. Prepared by the Brearley School, New York City.

NILES, GERTRUDE FLORENCE,

*Hearer in Economics and Politics and Biology, 1912-13.*

Wellesley Farms, Mass. Prepared by the Latin High School, Somerville, Mass., and by Miss Hersey's private school, Boston, Mass.

NILES, JOSEPHINE,

*Group, Modern History and Economics and Politics, 1910-13.*

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

NOYES, EMILY GIFFORD, . . . . . *Group, Latin and ———, 1911-13.*

Providence, R. I. Prepared by Miss Wheeler's School, Providence.

OPPENHEIMER, ELLA, . . . . . *Group, Chemistry and Biology, 1910-13.*

Washington, D. C. Prepared by the Central High School, Washington, and by private tuition.

ORR, HELVETIA, . . . . . *Group, ———, 1912-13.*

Pelham Manor, N. Y. Prepared by Miss Porter's School, Farmington, Conn.

OWEN, CLARA MARIE, . . . . . *Group, Latin and German, 1909-13.*

Philadelphia. Prepared by the Girls' High School, Philadelphia.

PACKARD, DOROTHY, . . . . . *Group, ———, 1912-13.*

Chicago, Ill. Prepared by the Francis W. Parker School, Chicago. University of Chicago, 1911-12.

PADDOCK, IRENE ANGELL, . . . . . *Group, Latin and Ancient History, 1910-13.*

Philadelphia. Prepared by Miss Roney's School, Bala, Pa., by the Misses Kirk's School, Bryn Mawr, Pa., and by private tuition. Special Frances Marion Simpson Scholar, 1912-13.

PAGE, KATHARINE ALICE, . . . . . *Group, Latin and French, 1909-13.*

New York City. Prepared by the Dwight School, Englewood, N. J.

PAINE, JANE HUTCHINSON, . . . . . *Group, ———, 1912-13.*

Cincinnati, O. Prepared by the Bartholomew-Clifton School, Cincinnati, by the Wolcott School, Denver, Colo., by the Girls' Collegiate School, Los Angeles, Cal., and by the Kent Place School, Summit, N. J.

- PATTERSON, ALICE DUDLEY, ..... *Group, Latin and German*, 1909-13.  
Philadelphia. Prepared by the Wissahickon Heights School, Chestnut Hill, Philadelphia,  
and by the Agnes Irwin School, Philadelphia. Second Bryn Mawr Matriculation  
Scholar for Pennsylvania and the Southern States, 1909-10.
- PERKINS, DAGMAR, ..... *Group*, ———, 1911-13.  
New York City. Prepared by the Veltin School, New York City.
- PERKINS, LUCILE, ..... *Group, French and Modern History*, 1909-13.  
Dallas, Tex. Prepared by St. Mary's College, Dallas, by Madame Yeatman, Paris, France,  
by the Misses Kirk's School, Bryn Mawr, Pa., and by private tuition.
- PORTER, HELEN LOUISE KNICKERBACKER,  
..... *Group, Italian and History of Art*, 1910-13.  
Montclair, N. J. Prepared by the Kimberley School, Montclair.
- POTTER, EDNA MARGARET,  
..... *Group, Modern History and Economics and Politics*, 1909-13.  
Detroit, Mich. Prepared by the Eastern High School, Detroit, and by the Mt. Ida School  
for Girls, Newton, Miss. Elizabeth Duane Gillespie Scholar in American History,  
1911-13.
- PRAY, GLADYS, ..... *Group*, ———, 1911-13.  
Passaic, N. J. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.
- PRITCHETT, IDA WILLIAMS,  
..... *Group, Modern History and Economics and Politics*, 1910-13.  
New York City. Prepared by Miss Low's School, Stamford, Conn., and by the Brearley  
School, New York City.
- PUGH, ESTHER CLEMENT,  
..... *Group, Modern History and Economics and Politics*, 1911-13.  
Overbrook, Philadelphia. Prepared by the Agnes Irwin School, Philadelphia, and by  
Rosemary Hall, Greenwich, Conn.
- RAND, ELIZABETH CARRINGTON, ..... *Group*, ———, 1912-13.  
Greenwich, Conn. Prepared by Rosemary Hall, Greenwich.
- RAPALLO, EDNA, ..... *Group*, ———, 1911-13.  
New York City. Prepared by the Brearley School, New York City.
- RAWSON, GWENDOLYN,  
..... *Group, Modern History and Economics and Politics*, 1909-13.  
Cincinnati, O. Prepared by the College Preparatory School, Cincinnati.
- RICHARDS, MYRA STEPHANIE, ..... *Group, English and German*, 1911-13.  
South Norwalk, Conn. Prepared by the Normal College of the City of New York and by  
the High School, Norwalk, Conn.
- RICHTER, HELEN RUTH, ..... *Group, German and Spanish*, 1909-13.  
New York City. Prepared by the Gardiner School, New York City, and by the Benjamin  
Deane School, New York City.
- RIEGEL, HELEN, ..... *Group, French and Modern History*, 1912-13.  
Riegelsville, Pa. Prepared by the Misses Raysons' School, New York City.
- ROBERTS, ANNA WILKINS, ..... *Group, German and French*, 1911-13.  
Moorestown, N. J. Prepared by the Friends' Academy, Moorestown, and by the West-  
town Boarding School, Westtown, Pa. Foundation Scholar, 1911-13.
- ROBERTSON, EMMA SELLERS, ..... *Group, Latin and French*, 1909-13.  
Bala, Pa. Prepared by All Saints School, Germantown, Philadelphia, and by Miss Roney's  
School, Bala, Pa.
- ROBERTSON, HELEN CALDER, ..... *Group*, ———, 1912-13.  
Providence, R. I. Prepared by Miss Wheeler's School, Providence. Second (equal) Bryn  
Mawr Matriculation Scholar for the New England States, 1912-13.
- ROBINS, DOROTHEA, ..... *Group, Latin and French*, 1903-05, 1910-13.  
Philadelphia. Prepared by the Misses Shipley's School and by private tuition.



- ROBINSON, ETHEL FERN,.....*Group, Latin and ———*, 1911-13.  
 Detroit, Mich. Prepared by the Central High School, Detroit, and by the Liggett School, Detroit.
- ROCKWELL, CLEOS LEPHA,.....*Group, German and French*, 1910-13.  
 Kenilworth, Ill. Prepared by the High School, West Chester, Pa., and by the Baldwin School, Bryn Mawr, Pa.
- ROE, MIRIAM,  
*Hearer by Courtesy in Economics and Politics and History of Art*, 1912-13.  
 Omaha, Neb. Assistant in the Bryn Mawr College Library, 1910-11, 1912-13.
- ROHRER, MIRIAM,.....*Group, French and ———*, 1911-12.  
 Schenectady, N. Y. Prepared by the High School, Schenectady.
- ROSS, FRANCES LÜBBE,.....*Group, English and French*, 1909-13.  
 Conshohocken, Pa. Prepared by the Agnes Irwin School, Philadelphia, and by the Baldwin School, Bryn Mawr, Pa.
- ROSS, JOANNA PUGH,.....*Group, ———*, 1912-13.  
 Norristown, Pa. Prepared by the Friends' Central School, Philadelphia.
- RUSSELL, MARGARET,.....*Group, ———*, 1912-13.  
 Plymouth, Mass. Prepared by the High School, Plymouth, and by Milton Academy, Milton, Mass.
- SAMPSON, MERLE D'AUBIGNÉ,.....*Group, ———*, 1911-13.  
 Charlottesville, Va. Prepared by the Baldwin School, Bryn Mawr, Pa. James E. Rhoads  
 Sophomore Scholar, 1912-13.
- SANDISON, LOIS ESTABROOK,.....*Group, ———*, 1912-13.  
 Terre Haute, Ind. Prepared by the Indiana Normal High School, Terre Haute, by the  
 Girls' High School, Oxford, England, and by the Willard School, Berlin, Germany.  
 First Bryn Mawr Matriculation Scholar for Pennsylvania and the Southern States,  
 1912-13.
- SARGENT, CECILIA VENNARD,.....*Group, Latin and ———*, 1911-13.  
 Wenonah, N. J. Prepared by the High School, Woodbury, N. J.
- SATTLER, JEAN,.....*Group, English and Comparative Literature*, 1911-13.  
 Madisonville, O. Prepared by the College Preparatory School, Cincinnati, O.
- SAVAGE, WILLIE BOND,.....*Group, ———*, 1912-13  
 Warren, Ark. Prepared by the Warren Training School, Warren, and by the Misses  
 Kirk's School, Bryn Mawr, Pa.
- SCRIPTURE, ELSA,.....*Group, ———*, 1911-13.  
 New York City. Prepared by the Kimberly School, Montclair, N. J., and by the High  
 School for Girls, Clifton, England.
- SCRIVEN, KATHERINE,.....*Group, French and Italian*, 1912-13.  
 Washington, D. C. Prepared by the Villa Béatrix, Geneva, Switzerland, and by the  
 Baldwin School, Bryn Mawr, Pa.
- SCUDDER, ATALA THAYER,.....*Group, ———*, 1911-13.  
 Brooklyn, New York City. Prepared by the Veltin School, New York City.
- SCUDDER, ELIZABETH HEWLETT,.....*Group, ———*, 1912-13.  
 Brooklyn, New York City. Prepared by the Veltin School, New York City.
- SEARS, ANNA,.....*Group, ———*, 1912-13.  
 Framingham, Mass. Prepared by the High School, Framingham, by Rosemary Hall,  
 Greenwich, Conn., and by private tuition. First Bryn Mawr Matriculation Scholar  
 for the New England States, 1912-13.
- SEARS, MARGARET,  
*Group, Modern History and Economics and Politics*, 1910-13.  
 Framingham, Mass. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.

- SERGEANT, KATHARINE, . . . . . *Group, English and Philosophy*, 1910-13.  
Brookline, Mass. Prepared by the Winsor School, Boston, Mass.
- SHAFFER, GRACE ALMA,  
*Group, Modern History and Economics and Politics* 1912, 1912-13.  
St. Louis, Mo. Prepared by Bishop Robertson Hall, St. Louis, and by Ferry Hall, Lake Forest, Ill.
- SHAW, EVELYN WELLS, *Group, Modern History and History of Art*, 1910-13.  
Lake Forest, Ill. Prepared by the University School for Girls, Chicago.
- SHAW, HELEN HASTINGS,  
*Group, English and Comparative Literature*, 1910-13.  
Brookline, Mass. Prepared by Miss May's School, Boston, Mass.
- SHEAFER, KATHERINE ELIZABETH, . . . *Group, Biology and ———*, 1911-13.  
Pottsville, Pa. Prepared by the High School, Pottsville.
- SHELDON, HARRIET SHELDON, . . . . . *Group, Latin and French*, 1910-13.  
Columbus, O. Prepared by the Columbus School for Girls, Columbus, O.
- SHELDON, MARY,  
*Group, Modern History and Economics and Politics*, 1909-13.  
Chicago, Ill. Prepared by Rosemary Hall, Greenwich, Conn., and by Miss Spence's School, New York City.
- SHENSTONE, MARY ELSIE, . . *Group, French and Modern History*, 1909-13.  
Toronto, Ontario, Canada. Prepared by Miss Veal's School, Toronto. University of Toronto, 1908-09.
- SHIPPEN, KATHARINE BINNEY,  
*Group, Modern History and Economics and Politics*, 1910-13.  
Hoboken, N. J. Prepared by the Hoboken Academy.
- SHIPWAY, MARGARET ESTELLE, . . . . . *Group, ———*, 1912-13.  
Noroton, Conn. Prepared by Rosemary Hall, Greenwich, Conn.
- SIMPSON, ADELAIDE DOUGLAS, . . . . . *Group, Greek and Latin*, 1909-13.  
New York City. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1909-13.
- SIPPEL, DOROTHY, . . . . . *Group, Greek and ———*, 1912-13.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- SKERRETT, DOROTHY WENTWORTH,  
*Group, Modern History and ———*, 1910-13.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Second Bryn Mawr Matriculation Scholar for Pennsylvania and the Southern States, 1910-11; City Scholar, 1910-13; Maria Hopper Sophomore Scholar, 1911-12; Mary E. Stevens Junior Scholar, 1912-13.
- SMITH, AGNES PICKETT, . . . . . *Group, Mathematics and Physics*, 1912-13.  
Winchester, Va. Prepared by Stuart Hall, Staunton, Va., and by private tuition.
- SMITH, CLARISSA, . . . . . *Group, Chemistry and Biology*, 1911-13.  
West Medford, Mass. Prepared by the Misses Kirk's School, Bryn Mawr, Pa.
- SMITH, ELIZABETH BALDWIN, . . . . . *Group, ———*, 1911-13.  
Cincinnati, O. Prepared by Miss Wright's School, Bryn Mawr, Pa.
- SMITH, ISABEL, . . . . . *Group, Chemistry and Geology*, 1911-13.  
Los Angeles, Cal. Prepared by the Polytechnic High School, Los Angeles, and by the Misses Kirk's School, Bryn Mawr, Pa.
- SMITH, MARY CHRISTINE, . . . *Group, French and Modern History*, 1910-13.  
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia.
- SMITH, SARA ROZET MATHER, . . . . . *Group, English and ———*, 1911-13.  
Chicago, Ill. Prepared by Miss Madeira's School, Washington, D. C., and by St. Timothy's School, Catonsville, Md.

- SNODGRASS, KATHARINE,  
*Group, Economics and Politics and ———, 1911-13.*  
 Indianapolis, Ind. Prepared by the Shortridge High School, Indianapolis. Maria Hopper  
 Sophomore Scholar, 1912-13.
- SOUTHARD, MARJORIE WRIGHT,  
*Group, Modern History and Economics and Politics, 1910-13.*  
 New Brighton, Staten Island, N. Y. Prepared by the St. Agnes School, Albany, N. Y.
- SPENCE, ANGELEINE BENEDICTA, . . . . .*Group, German and ———, 1911-13.*  
 Rockland, Mass. Prepared by the High School, Rockland.
- STARK, ELIZABETH KLINE, . . . . .*Group, ———, 1912-13.*  
 Rochester, N. Y. Prepared by the DeLancey School, Geneva, N. Y., by Miss Hake's  
 School, Rochester, and by the Columbia Preparatory School, Rochester.
- STEELE, EDITH RACHAEL, . . . . .*Group, Latin and German, 1909-13.*  
 Pittston, Pa. Prepared by the High School, West Pittston, Pa., and by Wyoming Semin-  
 ary, Kingston, Pa.
- STELTZER, ELSIE, . . . . .*Group, ———, 1911-13.*  
 Philadelphia. Prepared by the Girls' High School, Philadelphia. City Scholar, 1911-13.
- STODDARD, YVONNE, . . . . .*Group, Latin and English, 1909-13.*  
 Boston, Mass. Prepared by Miss Haskell and Miss Dean's School, Boston. First Bryn  
 Mawr Matriculation Scholar for the New England States, 1906-07.
- STOHR, KEINATH,  
*Group, Modern History and Economics and Politics, 1909-13.*  
 Chicago, Ill. Prepared by the Chicago Latin School, Chicago.
- STOKLEY, DOROTHY STULB, . . . . .*Group, ———, 1912-13.*  
 Philadelphia. Prepared by the Girls' High School, Philadelphia. Minnie Murdock Ken-  
 drick Memorial Scholar, 1912-13.
- STRAUSS, EMILIE THERESE, . . . . .*Group, ———, 1912-13.*  
 Wilkes Barre, Pa. Prepared by the Wilkes Barre Institute.
- STREETT, KATHERINE MAYNADIER,  
*Group, Modern History and Economics and Politics, 1911-13.*  
 Cumberland, Md. Prepared by the Western High School, Baltimore, and by Allegany  
 County Academy, Cumberland, Md.
- SUCKLEY, MARGARET LYNCH, . . . . .*Group, ———, 1912-13.*  
 Rhinebeck, N. Y. Prepared by Miss Low's School, Stamford, Conn., and by Miss Bang's,  
 and Miss Whiton's School, Riverdale, N. Y.
- SUTCH, CLEORA, . . . . .*Group, ———, 1911-13.*  
 Germantown, Philadelphia. Prepared by the Girls' High School, Philadelphia. Charles  
 E. Ellis Scholarship, 1911-13.
- SWIFT, NATHALIE,  
*Group, Modern History and Economics and Politics, 1909-13.*  
 New York City. Prepared by the Brearley School, New York City. Second Bryn Mawr  
 Matriculation Scholar for New York, New Jersey and Delaware, 1909-10.
- TABER, CARLOTTA LOWELL, . . . . .*Group, ———, 1911-13.*  
 Worcester, Mass. Prepared by Rosemary Hall, Greenwich, Conn., and by private tuition.
- TABER, MARY HATHAWAY, . . . . .*Group, English and French, 1911-13.*  
 Brooklyn, New York City. Prepared by the Girls' High School, Brooklyn.
- TAPPAN, JULIA BUCHANAN, . . . . .*Group, Chemistry and Biology, 1910-13.*  
 Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- TAPPAN, MARJORIE, . . . . .*Group, Mathematics and ———, 1911-13.*  
 Highwood, R. I. Prepared by the Dwight School, Englewood, N. J.

- TAYLOR, ALICE MARION,.....*Group, French and Spanish*, 1909-13.  
New York City. Prepared by the Willard School, Berlin, Germany.
- TAYLOR, IRENE,.....*Group*, ———, 1912-13.  
Philadelphia. Prepared by the Gordon School, Philadelphia. Vassar College, 1910-12.
- THOMPSON, FRANCES NOE,.....*Group*, ———, 1912-13.  
Oakmont, Pa. Prepared by Dilworth Hall, Pittsburgh, Pa.
- THOMPSON, LUCILLE,.....*Group, Latin and German*, 1910-13.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of the George W. Fetter Memorial Scholarship, 1910-13.
- THOMSON, ANNIS EVELEEN,.....*Group*, ———, 1912-13.  
Yonkers, N. Y. Prepared by the High School, Yonkers, and by private tuition.
- THOMSON, MARY MARJORY,.....*Group*, ———, 1911-13.  
Yonkers, N. Y. Prepared by the High School, Yonkers.
- THWING, APPHIA STANLEY,  
.....*Group, Modern History and Economics and Politics*, 1909-13.  
Cleveland, O. Prepared by the Laurel School, Cleveland.
- TINKER, ELIZABETH HELEN,.....*Group, French and* ———, 1912-13.  
Cumberland, Md. Prepared by the Allegany County Academy, Cumberland, Md.
- TINKER, RUTH,.....*Group, French and German*, 1911-13.  
Stamford, Conn. Prepared by Miss Low and Miss Heywood's School, Stamford.
- TONGUE, MARY VAN ARSDALE,.....*Group, English and Philosophy*, 1909-13.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Bryn Mawr School Scholar, 1909-10.
- TROWBRIDGE, KATHARINE,.....*Group*, ———, 1912-13.  
Princeton, N. J. Prepared by Miss Fine's School, Princeton and by the Misses Shipley's School, Bryn Mawr, Pa.
- TURNER, DOROTHY,.....*Group*, ———, 1912-13.  
Philadelphia. Prepared by the Girls' High School, Philadelphia, and by private tuition.
- TURNER, GRACE,.....*Group, Greek and Latin*, 1909-13.  
Berwyn, Pa. Prepared by the Girls' High School, Philadelphia. Special Scholar, 1912-13.
- TUTTLE, RUTH ALDEN,.....*Group, Economics and Politics and* ———, 1911-13.  
Canandaigua, N. Y. Prepared by the Gordon-Winston School, New York City.
- TYSON, HELEN EDITH,.....*Group, German and* ———, 1912-13.  
New York City. Prepared by the Hawthorne School, New York City.
- TYSON, MARJORIE IDALENE,.....*Group, German and* ———, 1911-13.  
New York City. Prepared by the Hawthorne School, New York City.
- VAN HORN, ALICE ELLISON,.....*Group*, ———, 1912-13.  
Scarsdale, N. Y. Prepared by the Lockwood Collegiate School, Scarsdale.
- VAN HORN, EMILY ELLISON,.....*Group, French and* ———, 1911-13.  
Scarsdale, N. Y. Prepared by the Lockwood Collegiate School, Scarsdale. Second (equal) Bryn Mawr Matriculation Scholar for New York, New Jersey and Delaware, 1911-12.
- VENNUM, MARY DURHAM,  
.....*Group, Modern History and Economics and Politics*, 1908-13.  
Onarga, Ill. Prepared by Grand Prairie Seminary, Onarga, by Miss Wright's School, Bryn Mawr, Pa., and by private tuition.
- WAGNER, EMILIE OBRÍÉ,.....*Group*, ———, 1912-13.  
West Chester, Pa. Prepared by the Misses Kirk's School, Bryn Mawr, Pa.



- WALLER, RUBY LEORA, . . . . . *Group, French and Spanish*, 1910-13.  
Kewanee, Ill. Prepared by the High School, Kewanee, by the Baldwin School, Bryn Mawr, Pa., and by private tuition.
- WALLERSTEIN, RUTH COONS, . . . . . *Group, Greek and Latin*, 1910-13.  
Philadelphia. Prepared by the Stevens School, Germantown, Philadelphia.
- WARD, MIRIAM ELSIE, . . . . . *Group, Chemistry and Geology*, 1910-13.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1910-13.
- WARREN, MARY EDWINA,  
*Group, Modern History and Economics and Politics*, 1910-13.  
Chestnut Hill, Mass. Prepared by the Misses May's School, Boston, Mass.
- WASHBURN, ELIZABETH POPE, . . . . . *Group, ———*, 1912-13.  
Minneapolis, Minn. Prepared by Stanley Hall, Minneapolis.
- WEAVER, ELIZABETH WALDRON NORMAN,  
*Group, Greek and ———*, 1911-13.  
Newport, R. I. Prepared by the Rogers High School, Newport, and by the Baldwin School, Bryn Mawr, Pa.
- WEBB, ELIZABETH, . . . . . *Group, Chemistry and Geology*, 1911-13.  
Springfield, O. Prepared by the Springfield Seminary, by the Walnut Hill School, Natick, Mass., and by private tuition.
- WEBSTER, MALLORY WHITING, . . . . . *Group, French and ———*, 1911-13.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- WERNER, ADELINE AGNES, . . . . . *Group, ———*, 1912-13.  
Columbus, O. Prepared by the Columbus School for Girls, Columbus. First Bryn Mawr Matriculation Scholar for the Western States, 1912-13.
- WESTHEIMER, CHARLOTTE, . . . . . *Group, ———*, 1912-13.  
Cincinnati, O. Prepared by the University School, Cincinnati.
- WESTLING, CATHERINE LILLIE, . . . . . *Group, English and ———*, 1910-13.  
Philadelphia. Prepared by the Girls' High School, Philadelphia.
- WESTON, DOROTHY VIVIAN,  
*Group, Modern History and Economics and Politics*, 1910-13.  
Weston's Mills, N. Y. Prepared by the Baldwin School, Bryn Mawr, Pa.
- WHITE, ANNE LINDSAY,  
*Group, Modern History and Economics and Politics*, 1910-13.  
Evanston, Ill. Prepared by the Township High School, Evanston. Northwestern University, 1909-10.
- WILLIAMS, KATHARINE DELANO,  
*Group, French and Italian and Spanish*, 1909-13.  
Dedham, Mass. Prepared by Miss Winsor's School, Boston, Mass.
- WILLIAMS, MARGARET SANDERSON,  
*Group, Modern History and Economics and Politics*, 1910-13.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- WILSON, EDITH STEDMAN, . . . . . *Group, ———*, 1912-13.  
Chapel Hill, N. C. Prepared by the Bryn Mawr School, Baltimore.
- WITHERBEE, FRANCES STUART, . . . . . *Group, ———*, 1912-13.  
West Newton, Mass. Prepared by Miss Haskell and Miss Dean's School, Boston, Mass. Second (equal) Bryn Mawr Matriculation Scholar for the New England States, 1912-13.
- WOLFF, HELENE GERTRUDE, . . . . . *Group, ———*, 1912-13.  
Philadelphia. Prepared by the Holman School for Girls, Philadelphia.

- WORTHINGTON, LILLA, . . . . . *Group, French and ———*, 1912-13.  
Birmingham, Ala. Prepared by the Fairmount School, Monteagle, Tenn., and by private tuition.
- YOST, MARGARET JANE, . . . . . *Group, French and History of Art*, 1911-13.  
Braddock, Pa. Prepared by the Thurston-Gleim School, Pittsburgh, Pa.
- ZECKWER, ISOLDA THÉRÈSE, . . . . . *Group, Chemistry and Biology*, 1911-13.  
Philadelphia. Prepared by the Friends' Central School, Philadelphia.
- ZIMMERMAN, SALLY ALMA,  
*Group, Modern History and Economics and Politics*, 1912-13.  
Somerset, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.

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#### SUMMARY OF STUDENTS.

|                           |       |     |
|---------------------------|-------|-----|
| Class of 1913.....        | 66    |     |
| Class of 1914.....        | 86    |     |
| Class of 1915.....        | 105   |     |
| Class of 1916.....        | 110   |     |
| Class of 1917.....        | 1     |     |
| Hearers.....              | 8     |     |
|                           | <hr/> | 376 |
| Resident Fellows.....     | 14    |     |
| Resident Graduates.....   | 66    |     |
|                           | <hr/> | 80  |
| Non-Resident Fellows..... |       | 3   |
|                           | <hr/> |     |
| Total.....                |       | 459 |

## BRYN MAWR COLLEGE.

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BRYN MAWR COLLEGE was founded by Dr. Joseph W. Taylor, of Burlington, New Jersey, who died January 18th, 1880. By his will he left the greater portion of his estate for the purpose of establishing and maintaining an institution of advanced learning for women. The college is situated in the suburbs of Philadelphia, at Bryn Mawr, Pennsylvania, five miles to the west of the city. The site was purchased by the founder on account of its healthfulness and beauty, and the college buildings were begun during his lifetime. In 1880, the year of his death, the college was incorporated by the authority of the State of Pennsylvania, and invested with power to confer degrees. A circular of information was issued by the trustees in 1883. A president and a dean of the faculty were elected in the spring of 1884, and during the remainder of the year plans were matured and appointments made in the faculty. The courtesy of the presiding officers and instructors of existing universities and colleges facilitated an acquaintance with the prevailing college curriculum, and the domestic organisation of the woman's colleges, Vassar, Smith, and Wellesley, received careful consideration. To the Johns Hopkins University acknowledgment is especially due, since from it has been borrowed the system of major and minor electives in fixed combination to which Bryn Mawr College first gave the name of the Group System. In the spring of 1885 the first catalogue was issued, and the college was opened for instruction in the autumn of 1885.

*Introductory  
Statement.*

Three classes of persons are admitted to the lectures and class work of the college—graduate students, undergraduate students, and hearers.

*Admission.*

Graduate students must have presented a diploma from some college of acknowledged standing. They may pursue any courses offered by the college for which their previous training has fitted them; but they must satisfy the several instructors of

*Graduate  
Students.*

their ability to profit by the courses they desire to follow, and may be required to pursue certain introductory or auxiliary studies before they are admitted to the advanced or purely graduate courses.\* They are, moreover, entitled to personal guidance and direction, supervision of their general reading and furtherance of their investigations, from the instructors, and their needs are considered in the arrangement of new courses of lectures.

***Fellows  
and  
Scholars.***

The most distinguished place among the graduate students is held by the fellows and graduate scholars, who must reside in the college during the academic year. Four European travelling fellowships, fifteen resident fellowships and thirty-six graduate scholarships are awarded annually. The conditions of the award and the duties of holders of fellowships and scholarships are stated on pages 69 to 71.

***Under-  
graduate  
Students.***

Undergraduate students must have fulfilled the requirements for matriculation, and may enter the college at any age at which those requirements have been fulfilled. The studies leading to the degree of Bachelor of Arts are stated on pages 57 to 65.

Those students who do not wish to study for a degree are permitted to pursue any undergraduate courses offered by the College for which their previous training has fitted them; they will, in the event of a change of plan, be credited with such of their studies as may have coincided with the studies leading to a degree. Attention is called to the fact that the Group System enables all candidates for a degree to specialise in two or more subjects.

***Hearers.***

Hearers are excused from passing the matriculation examination; but they are strictly distinguished from matriculated students, and are entitled to reside in the college only when by so doing they exclude no matriculated student, and when the courses pursued by them are equivalent in number to those ordinarily pursued in each year by candidates for a degree. They must be women of at least twenty-five years of age, and

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\* For the convenience of graduate students the courses offered in the graduate departments of the college are reprinted from this in a separate part of the calendar, Part 2, Graduate Courses, which may be obtained free of charge by applying to the Secretary of the College.



must furnish proof that they have at some time pursued the studies included in the matriculation examination. They must satisfy the several instructors that they can profit by the courses that they desire to follow, and their admission to recitations, examinations, and laboratory exercises depends on the express consent of the instructor in charge. Hearers differ, moreover, from matriculated students in that they are not recognised by the College, and may receive only such certificates of collegiate study as may be given them by the several instructors. They may not receive degrees.

The examination for matriculation must be taken by all who wish to pursue their studies in the undergraduate department of the college, either as candidates for a degree or as students pursuing special courses, with the exception of such applicants for admission as present a certificate of honorable dismissal from some college or university of acknowledged standing.\*

*Examination for Matriculation.*

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\* The examinations of the College Entrance Examination Board which are designated by Bryn Mawr College as equivalent to the matriculation examinations of the college will be accepted, subject to the same conditions which govern the Bryn Mawr College examinations.

The passing mark for both sets of examinations is the same, sixty per cent.

The matriculation examination may not be taken in more than two divisions; but, if this rule be observed, candidates may divide the divisions as they please between the examination of Bryn Mawr College and of the College Entrance Examination Board; both divisions may be taken in the Bryn Mawr College examination, or in the examination of the College Entrance Examination Board; or one division may be taken in the Bryn Mawr College examination, and the other in the examination of the College Entrance Examination Board.

Not more than one calendar year and the summer vacation may elapse between the two divisions of the examination for admission. There is no other restriction as to time; for example, candidates may present themselves for the first division of their examination in the spring examination of Bryn Mawr College, held during the last week in May and the first week in June, and for the second division at the examination held by the College Entrance Examination Board in the fourth week of June of the same year; or if they fail in the spring examination of Bryn Mawr College they may try the same subjects again in the examination of the College Entrance Examination Board three weeks later.

In case a sufficient number of sections to secure admission is not passed in two divisions of the examination the sections taken in one division must be cancelled, and all the sections offered in the cancelled division (except those sections which have been also offered in the division which is to be counted), must be offered again, together with a sufficient number of the sections in which the candidate has been conditioned to ensure her passing in the required number of sections.

Candidates who have passed the fifteen sections necessary for admission may remove conditions by passing the corresponding examinations in the Bryn Mawr College or the College Entrance Examination Board examination; in the case of a condition in French or German, however, the entire examination in the language must be taken, unless the condition is in *grammar only*, in which case it may be removed by passing the Bryn Mawr

The examination for matriculation is open to those also who wish to take it as a test of proficiency in elementary studies, but have no intention of entering the college. Certificates are given to those who are successful in passing the examination.\*†

Blank forms of application for admission may be obtained from the Secretary of the College.

Examinations are held annually in the spring, autumn, and winter at Bryn Mawr College, and in the spring of the year

College examination in grammar; and in the case of a condition in English Composition incurred in the Bryn Mawr College examination the entire examination in English, *a* and *b* must be passed in order to remove the condition by passing the College Entrance Examination Board's examination.

Candidates taking the College Entrance Examination Board's examination will not be considered in the awarding of the eight Bryn Mawr competitive entrance examination scholarships, unless the final division of the examination be taken in the spring Bryn Mawr College examination. Candidates are not eligible when the finals are taken in the autumn examination.

TABLE OF EQUIVALENT EXAMINATIONS.

| COLLEGE ENTRANCE EXAMINATION<br>BOARD EXAMINATION.               |   | BRYN MAWR COLLEGE<br>EXAMINATION.                     |                  |
|--|---|---|------------------|
| <i>Subjects.</i>   |   | <i>Subjects.</i>                                      | <i>Sections.</i> |
| Mathematics: <i>a</i> , Elementary Algebra, complete.....        | = | Algebra.....  | 2                |
| Mathematics: <i>c</i> ,.....                                     | = | Plane Geometry.....                                   | 2                |
| New requirements, Latin: 1 and 6.....                            | = | Latin Grammar and Prose Composition.....              | 1                |
| Old requirements, Latin: <i>p</i> ,.....                         | = | Latin Prose Authors.....                              | 2                |
| Old requirements, Latin: <i>q</i> ,.....                         | = | Latin Poetry.....                                     | 1                |
| English: <i>b</i> ,.....   | = | English Grammar.....                                  | 1                |
| English: <i>a</i> ,.....   | = | English Composition.....                              | 3                |
| History: <i>a</i> or <i>c</i> or <i>d</i> ,.....                 | = | Greek and Roman, or English, or American History..... | 1                |
| Physics, or Chemistry, or Botany, or Geography, or Zoology:..... | = | Science.....  | 1                |
| Greek: <i>f</i> ,.....   | = | Greek Grammar and Composition.....                    | 1                |
| Greek: <i>g</i> ,.....   | = | Greek Prose Authors.....                              | 1                |
| Greek: <i>h</i> ,.....   | = | Greek Poetry.....                                     | 1                |
| French: <i>a</i> , and combined examination ( <i>bc</i> ),.....  | = | French Grammar and Translation.....                   | 3                |
| German: <i>a</i> , and combined examination ( <i>bc</i> ),.....  | = | German Grammar and Translation.....                   | 3                |

*Examinations for Advanced Standing.*

|                              |   |                 |
|------------------------------|---|-----------------|
| Mathematics: <i>d</i> ,..... | = | Solid Geometry. |
| Mathematics: <i>e</i> ,..... | = | Trigonometry.   |
| No Equivalent.....           | = | Minor Latin.    |

\* Printed sets of matriculation papers may be obtained for thirty cents from the Secretary of the College.

† For the eight competitive entrance scholarships awarded annually see page 78.

may be held at other places; they are always held in the spring in Baltimore, Boston, Chicago, New York, Pittsburgh, Portland (Oregon), Richmond, and London (England). Candidates taking examinations at the above mentioned regular examination centres are charged a fee of five dollars for the whole or any part of the examination.

Examinations may also be held by request at other places, but in this case the candidates must defray the whole expense of the examination, the minimum fee being five dollars. In the past nine years examinations have been held by request at the following places:

California: Berkeley, Los Angeles, Pasadena, San Francisco, Santa Barbara; Colorado: Denver; Connecticut: Greenwich, Washington; Georgia: Athens, Savannah; Indiana: Fort Wayne, Indianapolis, Terre Haute; Iowa: Dubuque; Kentucky: Louisville; Maryland: Catonsville, Cumberland; Massachusetts: Cambridge, Fall River; Michigan: Detroit; Minnesota: Minneapolis; Missouri: St. Louis; Montana: Helena; New Jersey: Princeton, Trenton; New York: Binghamton, Buffalo, New Rochelle, Rochester, Rye, Utica; North Carolina: Biltmore; Ohio: Cincinnati, Cleveland, Columbus; Pennsylvania: Carlisle, Harrisburg, Lititz, Pittsburgh, Scranton, Wilkes Barre, York; Rhode Island: Providence; Tennessee: Memphis; Virginia: Richmond; Wisconsin: Fond du Lac, Madison, Milwaukee; and Washington, District of Columbia; France: Paris; Germany: Berlin, Munich; Asia Minor: Tarsus.

Candidates who intend to present themselves for examination at Bryn Mawr College must apply to the Secretary of the College at least two weeks before the date set for the beginning of the examinations and the application should be made on a form to be obtained from the Secretary of the College, and must be accompanied by the fee of five dollars charged for each division of the examination. Candidates who do not apply *two weeks* before the date of the beginning of the examinations will be charged an additional fee of five dollars. Candidates intending to take examinations elsewhere than at Bryn Mawr College must apply to the Secretary of the College at least *six weeks* before the date set for the beginning of the examinations. Candidates who



fail to do this will be charged a fee of five dollars in addition to the fee charged for the examination.

*Tabular Statement.*—In order to obtain a certificate of admission to Bryn Mawr College the candidate must be examined in *all*\* the following subjects, counted as equivalent to twenty sections, must take the examination in not more than two divisions, and must pass not fewer than four sections in the first division and not fewer than fifteen sections in the two divisions. No candidate will be admitted to Bryn Mawr College if conditioned in more than five sections.

| <i>Subjects.</i>                         | <i>Sections.</i> |
|--|------------------|
| Algebra.....                             | 2                |
| Plane Geometry.....                      | 2                |
| Latin Grammar and Prose Composition..... | 1                |
| Latin Prose Authors.....                 | 2                |
| Latin Poetry.....                        | 1                |
| English Grammar.....                     | 1                |
| English Composition.....                 | 3                |
| History.....                             | 1                |
| Science.....                             | 1                |
| Greek Grammar and Prose Composition..... | 1                |
| Greek Prose Authors.....                 | 1                |
| Greek Poetry.....                        | 1                |
| German Grammar and Translation.....      | 3                |
| French Grammar and Translation.....      | 3                |
| Two of these three languages.. 6         |                  |
| —  |                  |
| 20                                       |                  |

The number of sections allotted to each subject indicates approximately the time which should be devoted to preparation for that subject. Thus if, for example, the candidate studies five subjects in each year during the last four years of preparation for college, then Mathematics, Latin, and English should be studied for all four years since each counts as four sections of the examination; History and Science should each be studied for one year since each counts as one section; and the two languages (Greek and German, or Greek and French, or German and French) should be studied for three years since each counts as three sections, or three-twentieths, of the examination.

The examination may not be taken in more than two divisions. In each division the candidate may offer any sections she pleases, provided that she offer in the first division a sufficient number of sections (at least four) to secure a certificate. If however French or German be selected, all the three sections grammar, and prose and verse translation must be offered in the same division.

If more than one calendar year and the summer vacation elapse between the two divisions of the examination for admission the first division is cancelled and must be repeated.

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\* Candidates are expected to show by their papers that all the subjects required for matriculation have been studied for a reasonable length of time. Total failure in the second division of the examination in any subject, when such failure is of a character to indicate that the subject has been presented as a mere form, prevents the candidate from receiving any certificate, unless she can produce satisfactory evidence that the subject in question has been faithfully studied for a reasonable length of time.



In case a sufficient number of sections to secure admission be not passed in two divisions of the examination the sections taken in one division must be cancelled, and all the sections offered in the cancelled division (except those sections which have been offered in the division which is to be counted) must be offered again, together with a sufficient number of the sections in which the candidate has been conditioned to ensure her passing in the required number of sections.

Candidates that have passed the fifteen sections necessary for admission may remove conditions by passing the corresponding examinations before or after entering the college. All entrance conditions must be passed off within the first semester after the student enters the college, under penalty of exclusion from full college work during the second semester. All students who have not passed off all their entrance conditions at the end of their second semester will be excluded from the college for one year with the exception of those conditioned in only one section who are permitted to pass it off in September. A fee of three dollars is charged for each condition examination except conditions in punctuation for which the fee is one dollar. Students with entrance conditions in Greek, Latin, English, German, French, or Mathematics are not permitted to attend the college courses in these subjects until the conditions have been passed off. Conditions in history and science do not exclude students from college classes in these subjects.

Candidates desiring to enter with advanced standing *may* offer for examination before or at entrance the remaining language (either French, or German, or Greek,\* whichever was not included by the candidate in the above twenty sections), and if this examination is not passed before entrance, the candidate must pass the matriculation examination in it before receiving the degree of Bachelor of Arts.†

\* Students that have not passed the matriculation examination in Greek may substitute for it the matriculation course in Greek or the minor course in Latin. The minor course in Latin may also be offered for examination by candidates for matriculation that desire to enter the college with advanced standing, and, at their discretion, by matriculated students without attendance on the college classes, provided it is offered before the close of the matriculation examinations at the beginning of the student's junior year. The minor course is considered for this purpose as comprising two sections. No substitutions are allowed for any part of the following requirements, except in the case of students entering with advanced standing from other colleges:

A. Cicero, *Selected Letters*, 1, 2, 3, 5, 6, 7, 8, 10, 11, 16, 17, 19, 20, 21, 22, 23, 24, 25, 30, 31, 33, 37, 38, 39, 42, 44, 45, 47, 48, 49, 52, 75, 76, 91, 92 (*Letters of Cicero*, edited by F. F. Abbott, Boston, Ginn and Company), Livy, *Book xxi.*, Latin Prose Composition, including a detailed knowledge of the more abstruse Latin constructions and some facility in turning simple English narrative into Latin.

B. Horace, *Odes*, except i. 25, 27, 33, 36; ii. 5; iii. 6, 15, 20; iv. 1, 10, 13; *Epodes* except 3, 5, 8, 11, 12, 15, 17; *Carmen Saeculare*; *Satires* i. 1, 5, 6, 9; ii. 6; *Epistles* i. 1, 5, 6, 7, 8, 10, 14, 20.

There are two examinations, one in Section A and one in Section B, each three hours in length. These examinations may be taken in different years, and in the order preferred by the candidate; or one section may be studied in the corresponding college class, and the other offered for examination without attending the class. Examinations in Minor Latin are held only at the time of the regular matriculation examinations at the beginning and end of the college year, and in February.

† If this examination is not passed before the beginning of the student's third year in the college, she must attend the college class in the subject, or in Minor Latin, the substitute for Greek, in her third year.

Candidates desiring to enter with advanced standing may offer for examination before entrance trigonometry\* and solid geometry. These subjects are not necessarily included in the requirements for the degree of Bachelor of Arts, but students that have passed these examinations are credited with the equivalent number of hours of free elective work, each examination counting for this purpose as equivalent to two hours a week of free electives for one semester. Such advanced standing examinations will enable the student to lighten her work in college or to enlarge her choice of elective studies, but will not enable her to shorten the time of obtaining the bachelor's degree which represents in every case four years of study in collegiate classes.

### *Definition of Matriculation Subjects.*

*Mathematics.* **I. Mathematics.**—Algebra. (Counting as two sections.) Plane Geometry. (Counting as two sections.)

The examination in Algebra comprises Elementary Operations, Quadratic Equations, Problems, Ratio, Proportion, Variation, Arithmetical and Geometrical Progressions, the Binomial Theorem for Positive Integral Exponents.

While there is no formal examination in Arithmetic, an adequate knowledge of the subject is required throughout the mathematical examinations; in *all* the papers there are some numerical problems, and the correct solution of a fair number of these is regarded as essential. So many good text books are available in both Algebra and Plane Geometry that no special books are recommended. The following are mentioned simply as an indication of the preparation required for these examinations:

C. Smith's *Elementary Algebra* (American edition, revised by Irving Stringham); Phillips and Fisher's *Elements of Geometry* (abridged edition); Wentworth's *Geometry*.

*Latin.* **II. Latin.**—Grammar and Composition. (Counting as one section.) Translation at sight of simple passages in Latin prose. (Counting as two sections.) Translation at sight of simple passages of Latin poetry. (Counting as one section.) Due allowance is made for unusual words, and there are questions testing the candidate's practical knowledge of grammar and prosody.

The Latin read in preparation may be selected from Cæsar (*Gallic War* and *Civil War*), Nepos (*Lives*), Cicero (*Orations*, *Letters*, and *De senectute*), Sallust (*Catiline* and *Jugurtha*), Vergil (*Aeneid*, *Bucolics*, and *Georgics*), and Ovid (*Metamorphoses*, *Fasts*, and *Tristia*). The amount to be read should not be less than that contained in Cæsar, *Gallic War*, I-IV, Cicero, *Manilian Law*, *Archias*, and four *Orations against Catiline*, and Vergil, *Aeneid*, I-VI. The vocabulary, syntax, and thought of the sight passages will be adapted as closely as possible to the knowledge gained by a careful reading of the required amount of Latin. The paper in Grammar and Composition demands a knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in schools.

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\* For examinations in the College Entrance Examination Board equivalent to those which may be offered for advanced standing, see page 50.

**III. History.**—The outlines of the History of Greece and Rome; or *History*. the outlines of the History of England; or the outlines of the History of the United States. (Counting as one section.)

Botsford's *History of the Ancient World*, West's *Ancient History*, Goodspeed's *History of the Ancient World* (revised edition) and if possible some use of Botsford's *Source Book for Ancient History*, Andrews' *History of England*, Cheyney's *A Short History of England*, and McLaughlin's *History of the American Nation*, or Adams and Trent's *History of the United States*, will serve to indicate the preparation required.

**English.**—English Grammar. (Counting as one section.) English *English*. Composition. (Counting as three sections.) The examinations in grammar and composition may be divided and may be taken in either division of the entrance examination. The examination in English Grammar consists of the correction of passages of incorrect English. In and after the year 1913 questions will be asked to test the candidate's knowledge of the grammatical principles involved in the corrections, in especial concerning the details of sentence structure. The examination in English Composition consists of a critical composition of 350 words and, in addition, of one or two paragraphs in which the candidate is asked to give in a descriptive or narrative form the substance of important parts of the required reading.

In 1913 and 1914 candidates must be familiar with Chaucer's *Prologue* and *Knight's Tale*; Shakespeare's *Richard II*, *Henry IV* (expurgated), *Henry V*, and *The Merchant of Venice*; Milton's *Paradise Lost*, Books I and II; the *Sir Roger de Coverley Papers* in the *Spectator*; Matthew Arnold's *Essay on Gray*; Gray's *Elegy in a Country Churchyard*; Burke's *Speech on Conciliation with America*; Wordsworth's *Michael*, *Tintern Abbey*, "*Three years she grew in sun and shower*," *The Solitary Reaper*, "*O Nightingale! thou surely art*," "*The world is too much with us*," "*Earth has not anything to show more fair*," "*It is not to be thought of that the flood*"; Coleridge's *Ancient Mariner* and *Christabel*; Shelley's *Ode to the West Wind*, *To a Skylark*, *To a Cloud*, and "*Swiftly walk over the Western Wave*"; Keats's *Eve of St. Agnes*, *Ode to Autumn*, and *Ode to a Nightingale*; Tennyson's *Passing of Arthur*; Macaulay's *Life of Johnson*; Scott's *Ivanhoe*; Hawthorne's *House of the Seven Gables*; Stevenson's *Kidnapped*.

The following books agreed on by the Associations of the Colleges and Schools of the New England States, the Middle States and Maryland, the North Central States, and the Southern States, will be accepted as equivalents for the books prescribed for the English examinations of Bryn Mawr College: Chaucer's *Prologue*; Shakespeare's *Henry V*, *Macbeth*, and *The Merchant of Venice*; Milton's *L'Allegro*, *Il Penseroso*, and *Comus*; the *Sir Roger de Coverley Papers* in the *Spectator*; Palgrave's *Golden Treasury* (first series) Book IV, with special attention to Wordsworth, Keats, and Shelley; Coleridge's *Ancient Mariner*; Burke's *Speech on Conciliation with America*; Scott's *Ivanhoe*; Hawthorne's *House of the Seven Gables*; Macaulay's *Life of Johnson*; Thackeray's *English Humourists*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Stevenson's *Indian Voyage and Travels with a Donkey*.

In 1915 and 1916 candidates must be familiar with the following books agreed on by the Associations of the Colleges and Schools of the New England States, the Middle States and Maryland, the North Central States, and the Southern States: Shakespeare's *A Midsummer Night's Dream*, *The Merchant of Venice*, *Julius Caesar*, and *Macbeth*; Milton's *L'Allegro*, *Il Penseroso*, and *Comus*; the *Sir Roger de Coverley Papers* in the *Spectator*; Gray's *Elegy in a Country Churchyard*; Burke's *Speech on Conciliation with America*; Palgrave's *Golden Treasury* (first series), Book IV, with special attention to Wordsworth, Keats, and Shelley; Coleridge's *Ancient Mariner*; Scott's *Ivanhoe*; Thackeray's *Henry Esmond*; Hawthorne's *House of the Seven Gables*; Macaulay's *Life of Johnson*; Tenny-



son's *Passing of Arthur*; Arnold's *Sohrab and Rustum*; Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Hervé Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*; Stevenson's *Inland Voyage* and *Travels with a Donkey*.

In preparing for this examination special attention should be given to the structure of the whole composition, and the analysis of model essays, for example Arnold's *Essay on Gray*, is recommended. Robins and Perkins's *Introduction to the Study of Rhetoric*, Hill's *Foundations of Rhetoric*, Abbott's *How to Write Clearly*, and Bigelow's *Handbook of Punctuation*, will serve to indicate the preparation required for paragraph structure, sentence structure, and punctuation.

**Science.** **Science.**—The elements of one of the following sciences:—Physics, or Chemistry, or Botany, or Physiology, or Physical Geography. (Counting as one section.)

Carhart and Chute's *Elements of Physics*, or Mann and Twiss's *Physics*; Remsen's *Introduction to the Study of Chemistry* (Briefer Course); Atkinson's *Elementary Botany* or Barnes's *Plant Life* or Bergen and Davis's *Principles of Botany* used in connection with Spalding's *Introduction to Botany* or Caldwell's *Plant Morphology*; Hough and Sedgwick's *Elements of Physiology*, or Fitz's *Physiology and Hygiene*, Davis's *Elementary Physical Geography*, Gilbert and Brigham's *Introduction to Physical Geography*, Dryer's *Lessons in Physical Geography*, and Salisbury's *Physiography*, will serve to indicate the preparation required. Candidates are advised, whenever possible, to offer Physics, as this study forms the best basis for scientific work. It is recommended that candidates should have some knowledge of the metric system.

#### IV. Two of the following languages:

**Greek.** **Greek.**—Grammar and Composition. Very simple prose composition with words and construction taken from Xenophon's *Anabasis*. (Counting as one section.) Translation at sight of simple passages in Attic prose, such as Xenophon's *Anabasis* or *Memorabilia*. (Counting as one section.) Translation at sight of passages of average difficulty from Homer. (Counting as one section.) Due allowance is made for unusual words and there are questions testing the candidate's practical knowledge of grammar and prosody.

White's *First Greek Book* will serve to indicate the preparation required in prose composition.

**French.** **French.**—Grammar and Composition. (Counting as one section.) This is to test the candidate's knowledge of ordinary grammatical forms. Prose and Verse Translation. (Counting as two sections.) This is a test of the candidate's power to read at sight ordinary French prose and verse.

For the examination in reading no texts are assigned, the examination being intended to test the candidate's ability to read any ordinary French whatsoever. Candidates preparing for these examinations are advised to acquire as large a vocabulary as possible; they are further advised in their study of verbs to concentrate their attention on the regular verbs, the auxiliaries *être*, *avoir*, such important irregular verbs as *aller*, *devoir*, *dire*, *faire*, *mettre*, *prendre*, *pouvoir*, *vouloir*, *tenir*, *venir*, *voir*, *écrire*, *lire*, *croire*, *boire*, and the typical verbs *conduire*, *craindre*, *paraître*, *partir*, and to acquire a fair knowledge of the use of the various past tenses and of the rules of the subjunctive.

Teachers preparing students that wish to elect French in the college are advised to train their pupils to write French from dictation in order to enable them to understand lectures delivered in French.



**German.**—Grammar and Composition. (Counting as one section.) *German.* This is to test the candidate's knowledge of ordinary grammatical forms. Prose and Verse Translation. (Counting as two sections.) This is a test of the candidate's power to read at sight ordinary German prose and verse.

For the examination in reading no texts are assigned, the examination being intended to test the candidate's ability to read any ordinary German. Candidates should endeavour to acquire as large a vocabulary as possible; they are also advised to study the irregular nouns and verbs.

Candidates who intend to continue the study of German in the college should be prepared to understand lectures delivered in German.

Every candidate for the degree of Bachelor of Arts must have passed examinations on work amounting to one hundred and twenty hours\* and must have obtained an examination grade above that of "passed," that is, the grade of merit,† (seventy per cent) or over, on half of these one hundred and twenty hours; she must also possess at the time of graduation a reading knowledge of French and German and some acquaintance with Latin. In the last year before graduation, oral examinations are held to test her ability to read French and German at sight. She must have been in attendance on college classes in Bryn Mawr College, or in some other college of high standing, for a period of four years;‡ she must have fulfilled the requirements of the department of athletics and gymnastics.

*Studies  
Leading  
to the  
Degree of  
Bachelor  
of Arts.*

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\* The word hour here means one hour a week for one semester. In calculating the standing of students under this rule every course offered for examination, including the fourth language, trigonometry, and solid geometry when offered for advanced standing in the matriculation examination, must be included except as explained below. A grade once obtained in an examination may not be cancelled, the first one hundred and twenty hours of examinations offered qualifying, or disqualifying, for a degree. Grades received on examinations offered for work not taken in the college classes must be counted in these one hundred and twenty hours, except in the case of students who enter with advanced standing from other colleges, and give notice within the first two weeks after their entrance of a desire to offer for examination subjects already pursued. Such students will, in case they fail in these examinations, be granted the privilege of cancelling them so that they shall not count in estimating their standing under the merit law, provided they enter the corresponding courses as regular students without attempting to pass off the conditions incurred. A similar privilege will be granted to students who offer trigonometry or solid geometry or a fourth language in the matriculation examination *before* entering the college and also to students who offer proof within two weeks after entering the college that they have studied these subjects in school or college classes or under private tuition. These students are not required to enter the corresponding college classes provided they fail in the examination.

† Since this merit law was enacted no student who has not fulfilled the requirements as above stated has received a degree.

‡ Work in summer schools of colleges and universities may not be substituted for work of the regular college year.

If a student at the end of her junior year, or in February of her senior year, has received a grade *below* seventy per cent in as many as one-half of the hours that she has offered for examination of the one hundred and twenty required for the degree, she will not be allowed to graduate at the end of her senior year; but if she wishes to continue her studies at Bryn Mawr College, must plan to remain for an additional year or for a longer period. She will be on probation during this time and her work will be prescribed by a committee of the Faculty, the object being to enable her to improve the quality of her work so that she may not ultimately be disqualified by her grades from obtaining a degree.

No student who has received a grade below seventy per cent in as many as one-half of the hours that she has taken will be permitted to hold office in any of the organisations of the college, to take part in any entertainment requiring preparation, or to undertake any paid work.

The following course of study must be pursued by every candidate for the degree of Bachelor of Arts:

*Required  
Studies.*

*Greek or French or German\**, five hours a week for one year, when this subject has not been included in the examination for matriculation. Those students, however, who wish to omit Greek may substitute for the required course in Greek the minor course in Latin.†

*English*, five hours a week for two years.

*Philosophy and Psychology*, five hours a week for one year.

*Science*, five hours a week for one year.

*Science, or History, or Economics and Politics, or Philosophy, or Psychology, or Mathematics*, five hours a week for one year.

*Two Major Courses*, of five hours a week for two years each, constituting one of the following Groups: any Language with any Language;‡ Latin or Greek with Ancient History; Comparative Literature with English, or German, or Italian, or Spanish;§ Ancient History with Classical Archæology; History with Economics and Politics; Modern History with German, or French, or History of Art; Philosophy or Psychology, or Philosophy and Psychology§ with Greek, or English, or Economics and Politics, or Mathematics, or Physics; Philosophy with Latin or Psychology; Psychology with Biology; Classical Archæology with Greek, or Latin; History of Art with French, or German, or Italian, or Spanish; Mathematics with Greek, or Latin, or Physics, or Chemistry, or Geology, or Biology; any Science with any Science.

\* The College provides matriculation classes, five hours a week throughout one year, for those students who in the examination for matriculation may have omitted Greek, French, or German. Attendance on these classes is not obligatory before the beginning of the junior year, the student being free until then to make good her deficiencies by private study.

† A student choosing Latin as one of the languages of her Group, and not wishing to study Greek, may substitute for the year of minor Latin five hours a week for one year of post-major Latin, or a year of French, or German, or Italian, or Spanish.

‡ For the purpose of forming a group, Italian and Spanish may count as one language; they may be combined so as to form a course of five hours a week for two years.

§ For the purpose of forming a group, philosophy and psychology may be combined so as to form a course of five hours a week for two years.

*Free Elective Courses*, amounting to ten hours a week for one year, to be chosen by the student. It should be noted that a single study may be taken as a free elective, without electing the group that includes it, and any courses open as free electives, may be chosen without taking the remainder of the minor course of which they may form a part. *Free Elective Courses.*

The studies required for a degree may for convenience be tabulated as follows: *Tabular Statement.*

*Required Courses (Five hours a week for One Year Each).*

| 1 and 2.                   | 3.                               | 4.   | 5.  | 6.†   |
|----------------------------|----------------------------------|--|---|---|
| English.<br>[Two Courses.] | Philosophy<br>and<br>Psychology. | Science:<br>Physics,<br>or<br>Chemistry,<br>or<br>Geology,<br>or<br>Biology. | Science,<br>or<br>History,*<br>or<br>Economics and<br>Politics,<br>or<br>Philosophy, or<br>Psychology, or<br>Mathematics. | Matriculation<br>French,<br>or<br>Matriculation<br>German,<br>or<br>Matriculation<br>Greek (or<br>Minor Latin). |

*Two Major Courses (Five hours a week for Two Years Each).*

Constituting any one of the following sixty-eight groups:

| I—XX.   | XXI.  | XXII.  | XXIII.  |
|---|---|--|---|
| Any Language<br>with<br>any Language†<br>(Twenty Groups). | Comparative<br>Literature<br>with<br>English.                 | Comparative<br>Literature<br>with<br>German. | Comparative<br>Literature<br>with<br>Italian. |
| XXIV.   | XXV.  | XXVI.  | XXVII.  |
| Comparative<br>Literature<br>with<br>Spanish.             | Comparative<br>Literature<br>with<br>Italian and<br>Spanish.‡ | Ancient<br>History<br>with<br>Greek.         | Ancient<br>History<br>with<br>Latin.          |

\* A student electing modern history as one of her group subjects and offering history in place of the second year of science must offer five hours of post-major work in this subject.

† The College provides matriculation classes, five hours a week throughout one year, for those students who in the examination for matriculation may have omitted Greek, French, or German; attendance on these classes is not obligatory before the beginning of the junior year, the student being free until then to make good her deficiencies by private study. Students not wishing to study Greek may substitute the college course in minor Latin or the advanced standing examination in minor Latin for the examination in matriculation Greek. Minor Latin may not be offered for examination without attending the college class after the close of the matriculation examinations at the beginning of the junior year.

‡ For the purpose of forming a group, Italian and Spanish may count as one language: they may be combined so as to form a course of five hours a week for two years.

|   |   |  |  |
|---|---|--|--|
| XXVIII.<br>Ancient<br>History<br>with<br>Classical<br>Archæology.     | XXIX.<br>Modern<br>History<br>with<br>Economics<br>and<br>Politics. | XXX.<br>Modern<br>History<br>with<br>German.             | XXXI.<br>Modern<br>History<br>with<br>French.                  |
| XXXII.<br>Modern<br>History<br>with<br>History<br>of Art.             | XXXIII.<br>Economics and<br>Politics with<br>Philosophy.            | XXXIV.<br>Philosophy<br>with<br>Greek.                   | XXXV.<br>Philosophy<br>with<br>Latin.                          |
| XXXVI.<br>Philosophy<br>with<br>English.                              | XXXVII.<br>Philosophy<br>with<br>Psychology.                        | XXXVIII.<br>Philosophy<br>with<br>Mathematics.           | XXXIX.<br>Philosophy<br>with<br>Physics.                       |
| XL.<br>Philosophy and<br>Psychology<br>with Economics<br>and Politics | XLI.<br>Philosophy and<br>Psychology<br>with<br>Greek               | XLII.<br>Philosophy and<br>Psychology<br>with<br>English | XLIII.<br>Philosophy and<br>Psychology<br>with<br>Mathematics. |
| XLIV.<br>Philosophy and<br>Psychology<br>with Physics.                | XLV.<br>Psychology with<br>Economics and<br>Politics.               | XLVI.<br>Psychology<br>with<br>Greek.                    | XLVII.<br>Psychology<br>with<br>English.                       |
| XLVIII.<br>Psychology<br>with<br>Mathematics.                         | XLIX.<br>Psychology<br>with<br>Physics.                             | L.<br>Psychology<br>with<br>Biology.                     | LI.<br>Classical<br>Archæology<br>with Greek.                  |
| LII.<br>Classical<br>Archæology<br>with<br>Latin.                     | LIII.<br>History<br>of Art<br>with<br>German.                       | LIV.<br>History<br>of Art<br>with<br>French.             | LV.<br>History<br>of Art<br>with<br>Italian.                   |
| LVI.<br>History of<br>Art with<br>Spanish.                            | LVII.<br>Mathematics.<br>with<br>Greek.                             | LVIII.<br>Mathematics<br>with<br>Latin.                  | LIX.<br>Mathematics<br>with<br>Physics.                        |



| LX.                               | LXI.                            | LXII.                           | LXIII-LXVIII.                                       |
|-----------------------------------|---------------------------------|---------------------------------|---|
| Mathematics<br>with<br>Chemistry* | Mathematics<br>with<br>Geology. | Mathematics<br>with<br>Biology. | Any Science<br>with<br>any Science<br>(Six Groups). |

*Free Elective Courses.*

Ten hours a week for one year in any subject, or subjects, the student may elect.

All candidates for the degree of Bachelor of Arts must elect their courses in accordance with the Group System, and an understanding of the principles of the system is necessary for an intelligent selection of courses.

*The  
Group  
System.*

In all departments as yet fully organised there is a course of five hours a week for two years, called a Major Course. Whenever one year of this course is of such a nature that it may be taken separately, it is designated as a Minor Course. Every candidate for a degree is required to take two such major courses as shall be homogeneous, or shall complete each other, and major courses which fulfil this condition are designated as Groups. The object of this system is to enable the student to acquire the foundations of a specialist's knowledge; and the Required Courses, namely, English, philosophy, science, (or, if a second year of science be not elected, history, or economics and politics, or philosophy, or psychology, or mathematics, or classical archæology, or history of modern art), are intended in part to supplement the Group, and in part to insure a more liberal training than could be obtained if every student combined elective studies at pleasure.

*Major  
Course.*

The required two years' course in English serves as a general introduction to the study of language and comparative literature. The required two years in science (or the substitute permitted of one year's course in science and one year's course in history, economics and politics, philosophy, or psychology, or mathematics), permit the student of chemistry and biology to pursue advanced courses in one or both of these branches, or to take a major course in physics; and they give for one year at least to the student of history and literature the same kind of instruction and discipline as is received by the scientific student. The

*Required  
Courses.*

one year's course in philosophy is a general introduction into the study of the laws, conditions, and history of thought.

*Post-major  
Courses.*

In almost all departments post-major courses, truly advanced courses which answer to graduate courses in many colleges, are organised and may be elected by students that have completed the major, or group, work in the subject.

*Free Elective  
Courses.*

All minor courses that do not presuppose required courses may be elected by any student, and special free elective courses of one, two, or three hours a week, are offered in many departments.

The following may serve as examples of some of the many combinations of studies that may be made by those candidates for a degree who wish to specialise as far as possible in particular departments: Matriculation French, Matriculation German, Matriculation Greek, and Minor Latin are bracketed as being subjects that may be included in the examination for matriculation. These bracketed courses may be offered for examination before the beginning of the junior year without attendance on the college classes, but this is not advised on account of their difficulty.

CLASSICS. *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Philosophy, or Minor Mathematics). *As a Group*, Greek and Latin. *As Free Electives*, Post-major Greek and Latin, or Classical Archæology, ten hours a week for one year.

MODERN LANGUAGES (other than English). *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Mathematics). *As a Group*, German and French, or German and Italian and Spanish, or French and Italian and Spanish. *As Free Electives*, Italian and Spanish, or Post-major French or German, ten hours a week for one year.

ENGLISH. *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Philosophy). *As a Group*, Greek and English, or Latin and English, or English and German, or English and French, or English and Italian and Spanish, or English and Spanish, or English and Comparative Literature,

or English and Philosophy. *As Free Electives*, Latin and German, ten hours a week for one year.

MATHEMATICS (with Greek). *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek], English, Philosophy, Physics, another Science, (or Post-major Mathematics, or Modern or Ancient History, or Minor Philosophy). *As a Group*, Mathematics and Greek. *As Free Electives*, Post-major Mathematics and Post-major Greek, ten hours a week for one year.

MATHEMATICS (with Physics). *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Chemistry, another Science (Geology, or Biology), or Post-major Mathematics. *As a Group*, Mathematics and Physics. *As Free Electives*, Post-major Mathematics and Post-major Physics, ten hours a week for one year.

MODERN HISTORY. *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, any Science, another Science, (or Ancient History, or Post-major History, or Economics and Politics, or Minor Philosophy, or Mathematics). *As a Group*, Modern History and Economics and Politics. *As Free Electives*, Post-major Modern History and Post-major Economics and Politics, ten hours a week for one year.

PHILOSOPHY (with Greek). *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Mathematics). *As a Group*, Greek and Philosophy. *As Free Electives*, Post-major Greek and Minor Psychology ten hours a week for one year.

PHILOSOPHY (with English). *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics). *As a Group*, English and Philosophy. *As Free Electives*, Psychology and Comparative Literature, ten hours a week for one year.

MODERN EUROPEAN HISTORY (with French). *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Ancient History, or Minor Economics and Politics, or Minor Philosophy, or Minor Mathematics). *As a Group*, Modern European History and French. *As Free Electives*, Post-major French and Major Ancient History, or Post-major Modern History.

PHILOSOPHY or PSYCHOLOGY (with Economics and Politics, or with Mathematics, or with Physics). *As Required Studies*, [Matriculation



French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History). *As a Group*, Philosophy or Psychology with Economics and Politics, or with Mathematics, or with Physics. *As Free Electives*, Post-major Economics, or Mathematics, or Physics, ten hours a week for one year.

CLASSICAL ARCHÆOLOGY (with Greek). *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek], English, Philosophy, Science (Physics, or Chemistry, or Biology, or Geology), another Science, (or Modern, or Ancient History, or Minor Philosophy, or Mathematics). *As a Group*, Greek and Classical Archæology. *As Free Electives*, History of Art, or Post-major Greek, or Minor Latin, ten hours a week for one year.

SCIENCE. *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Philosophy, or Minor Mathematics, or Elective Mathematics). *As a Group*, Physics and Chemistry, or Physics and Geology, or Physics and Biology, or Chemistry and Geology, or Chemistry and Biology, or Geology and Biology. *As Free Electives*, Mathematics and Physics, or Chemistry, or Geology, or Biology, ten hours a week for one year.

PRELIMINARY MEDICAL COURSE. *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Minor Physics, Major Physics. *As a Group*, Chemistry and Biology. *As Free Electives*, Post-major Biology and Post-major Chemistry, or Minor Latin, (if not taken as a required study) ten hours a week for one year.

PREPARATION FOR SOCIAL SERVICE. *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Minor and Major Biology. *As a Group*, Economics and Politics and Philosophy. *As Free Electives*, Post-major Economics and Politics, or Modern History, or Mathematics.

The following combinations may be adopted by those who wish to pursue a three years' course in history, economics and politics, or science, or English, yet do not wish to elect an historical, economic, or a scientific or language group.

I. *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, any Science, Modern History. *As a Group*, any Language with any language, or Chemistry and Biology. *As Free Electives*, Ancient History, five hours a week for one year, and Major Modern History five hours a week for one year.



II. *As above*, but for Modern History substitute Minor Economics and Politics, and for Ancient History, Major Economics and Politics, and for Major Modern History, Post-major Economics and Politics.

III. *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Physics and Chemistry, or Geology, or Biology. *As a Group*, any Language with any language. *As Free Electives*, Major and Post-major Physics, or Chemistry, or Geology, or Biology, five hours a week for two years.

IV. *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Philosophy, or Minor Mathematics). *As a Group*, Greek and Latin. *As Free Electives*, Minor and Major English, five hours a week for two years.

Every undergraduate student is expected to consult the Dean of the College in regard to the details and best arrangement of her various studies, and to register her course of study in the president's office before entering upon college work.

The studies leading to the degree of Bachelor of Arts, may, as a rule, be taken in any order preferred by the student, but students are advised to plan their work carefully in advance with reference to the lecture schedule in order that a conflict of hours may not later in their course prevent them from electing all the studies which they desire. Students who elect English as a major study, for example, must take the general English literature lectures and essay work in their first and second years in the college because they are required to complete this work before entering the major course in English; again, a student choosing philosophy and English as her major studies must take the general course in philosophy in her first year if she wishes to elect all the minor and major courses in English literature. Students who elect comparative literature as a major subject are recommended to elect languages early in their course. Students choosing a scientific group, such as chemistry and biology, must arrange their courses so as to avoid conflicts in the hours for laboratory work. Trigonometry is required for the work of the major year of the group course in physics.

Those students who have not decided on their group may in the first year pursue required studies only, or may elect one

of the courses belonging to the group to which they most incline, with the understanding that if they should desire to change their group that course will be counted as a free elective; those students whose tastes are already fully formed, or who are uncertain how many years they shall remain in college, may enter at once on free elective studies and on the study of both subjects of their group. There are obvious advantages for the student in deferring as long as possible the choice of her free electives and her group, inasmuch as the required studies, by accustoming her to the methods of laboratory work, and to the study of languages, literature, and history, afford her every opportunity of ascertaining her true tastes and aptitudes.

The students are not divided into the traditional college classes and there is no limit of time for graduation; in order to pursue a wider course of reading in connection with single subjects, or to attend a greater variety of lectures, the ablest students may choose to defer graduation; personal considerations only determine the time spent in completing the studies required for a degree. Nevertheless these requirements constitute strictly a four years' course; that is to say, if the time given to lectures and class work be, as is usual, fifteen hours a week, a student passing the ordinary matriculation examination, and availing herself of the preliminary courses of the college in the subjects which that examination did not include, in all cases requires precisely four years. To give more time for advanced studies and to lighten the college course, students are permitted to take examinations in certain subjects included in the course without attending the college classes in these subjects. Trigonometry, solid geometry, and the fourth language (Matriculation French, or German, or Greek, or Minor Latin) may be taken in this way if offered not later than the beginning of the junior year. A student who can furnish proof that she has acquired advanced knowledge of German or French by attendance on regular advanced classes conducted by a school, or college, or by visiting teachers, or by residence abroad, or by study under German or French governesses at home, is permitted to take examinations for advanced standing in reading and composition in these languages, but only in the first three weeks after entering college. Students entering college at the beginning of

the second semester are not permitted to register for more than fifteen hours of college work, or to offer advanced standing examinations in order to complete the work required for a degree in less than four years.

Graduates of Bryn Mawr College, and graduates of other colleges who shall have satisfied the Academic Council that the course of study for which they have received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degree of Doctor of Philosophy and Master of Arts; admission to the graduate school does not in itself qualify a student to become a candidate for this degree. A separate degree of Master of Arts is open to graduates of Bryn Mawr College, but to them only.

*Studies  
Leading  
to a  
Second  
Degree.*

The candidate for the degree of Master of Arts must be a Bachelor of Arts of Bryn Mawr College, and must have studied for one full year in the graduate school of Bryn Mawr College, devoting herself to systematic advanced work approved by the Graduate Committee of the Academic Council. The candidate must submit her proposed course of study for the approval of this committee on or before the second Wednesday in November. She must pass a special written examination on each subject to the satisfaction of the department in which she has studied, and must announce her candidacy to the President not later than the first day of May in the academic year in which the degree is to be conferred.

*The Degree  
of  
Master of  
Arts.*

The Degree of Doctor of Philosophy and Master of Arts may be conferred upon graduates of Bryn Mawr College, and upon graduates of other colleges who shall have satisfied the Academic Council either that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or that it has been adequately supplemented by subsequent study.

*The Degree  
of  
Doctor of  
Philosophy  
and  
Master of  
Arts.*

The candidate must have pursued for at least three years, after having received the first degree, a course of liberal (non-professional) study at some college or university approved by the Academic Council, and must have spent at least two of



these years at Bryn Mawr College. The course of study leading to the degree of Doctor of Philosophy and Master of Arts must consist of one principal, or major, subject and of one or two subordinate, or minor, subjects and must be divided between at least two departments. Two-thirds of the candidate's time should be spent on the major subject and the remaining one-third on the minor subject or subjects, and the proposed combination of major and minor subjects must have been submitted for approval to the Graduate Committee. The candidate may be required to pursue certain auxiliary studies in connection with the subject that she has elected; and the degree of Doctor of Philosophy is given to no one who cannot read French and German, or who is unacquainted with Latin. The candidate must have written, on some subject connected with her major subject of study, a dissertation approved by the Faculty that bears satisfactory evidence of original research and must pass written examinations and an oral examination in the presence of the members of the Faculty on both major and minor subjects. These examinations are held after the dissertation has been accepted by the department in which it is offered and must be taken within the academic year in which the candidate applies for the degree. The degree is not conferred until the candidate has satisfied the above requirements and deposited one hundred and fifty printed copies of her dissertation, bound according to the prescribed model, in the office of the Secretary of the College and one copy specially bound for the use of the library. The degree of Doctor of Philosophy will in no case be conferred by the college as an honorary degree.

*European  
Traveling  
Fellow-  
ships.*

The Bryn Mawr European Fellowship of the value of \$500 was founded in 1889. It is awarded annually to a member of the graduating class of Bryn Mawr College on the ground of excellence in scholarship. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The President M. Carey Thomas European Fellowship of the value of \$500 was founded in 1896 by Miss Garrett of Baltimore and is awarded annually on the ground of excellence in scholar-



ship to a student in her first year of graduate work at Bryn Mawr College. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The Mary E. Garrett European Fellowship of the value of \$500 was founded in 1894 by Miss Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a student still in residence who has for two years pursued graduate studies at Bryn Mawr College. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The Anna Ottendorfer Memorial Research Fellowship in German and Teutonic Philology of the value of \$700 was founded in 1907 by Mrs. Anna Woerishoffer of New York City in memory of her mother. It is intended to defray the expenses of one year's study and residence at some German university and is awarded annually to a graduate student who has completed at least one year of graduate study at Bryn Mawr College but is not necessarily still in residence when making application for the fellowship. The fellowship will be awarded to the candidate who has pursued the most advanced work, or whose studies afford the most promise of future success. She must show such proficiency in her studies or in independent work as to furnish reason to believe that she will be able to conduct independent investigations in the field of Teutonic Philology or German. The choice of a university may be determined by the holder's own preference subject to the approval of the Faculty. Application for the fellowship should be addressed to the President.

Fifteen resident fellowships, of the value of \$525 each, are awarded annually in Greek, Latin, English, German and Teutonic Philology, Romance Languages, Semitic Languages and Biblical Literature, History, Philosophy, Archæology, Mathematics, Physics, Chemistry, Geology and Biology, and the Justus C. Strawbridge Fellowship in Economics and Politics.

*Resident  
Fellow-  
ships.*

They are open for competition to graduates of Bryn Mawr College, or of any other college of good standing, and will be awarded only to candidates who have completed at least one year of graduate work at some college of good standing after obtaining their first degree. The fellowships are intended as an honor, and are awarded in recognition of previous attainments; generally speaking, they will be awarded to the candidates that have studied longest or to those whose work gives most promise of future success. All fellows may study for the degree of Doctor of Philosophy, the fellowship being counted, for this purpose, as equivalent to the degree of Bachelor of Arts. Fellows that continue their studies at the college after the expiration of the fellowship, may, by a vote of the directors, receive the rank of Fellows by Courtesy.

*Duties of  
Resident  
Fellows.*

Fellows are expected to attend all college functions, to wear academic dress, to assist in the conduct of examinations, and to give about an hour a week to the care of special libraries in the halls of residence and in the seminaries, but no such service may be required of them except by a written request from the president's office; they are not permitted while holding the fellowship to teach, or to undertake any other duties in addition to their college work. They are required to reside in the college and are assigned rooms by the Secretary of the College. They are charged the usual fee of four hundred and five dollars for tuition, board, room-rent, and infirmary care.

The holder of a fellowship is expected to devote at least one half her time to the department in which the fellowship is awarded, and to show by the presentation of a thesis or in some other manner that her studies have not been without result.

*Resident  
Graduate  
Scholar-  
ships.*

Twenty Graduate Scholarships, of the value of \$200 each, may be awarded to candidates next in merit to the successful candidates for the fellowships; they are also open for competition to graduates of Bryn Mawr College, or of any other college of good standing.

The Susan B. Anthony Memorial Scholarship in Political Theory, of the value of \$250, was founded in 1910, and is awarded to the candidate wishing to devote herself to studies in Political Theory, whose work has given most promise of success.

Ten Graduate Scholarships, of the value of \$405 each, were founded in 1909, five for English, Scotch, or Irish women, and five for German women, and two were founded in 1913 for French women and are open for competition to all women of the prescribed nationality whose academic work has reached a standard equivalent to that denoted by the Bachelor's degree of any American college or university of acknowledged standing. The amount of the scholarship, four hundred and five dollars, covers the fees for tuition, board, residence, including light, heat, and service, and infirmary care for the academic year. A furnished single room in the graduate wing of one of the halls of residence is assigned to each scholar.

*Scholarships for British and German and French Women.*

Scholars are expected to reside in the college, to attend all college functions, to wear academic dress and to assist in the conduct of examinations.

*Duties of Resident Scholars.*

Application for resident fellowships or scholarships should be made as early as possible to the President of the College, and must be made not later than the fifteenth\* of April preceding the academic year for which the fellowship or scholarship is desired. Blank forms of application will be forwarded to the applicants. A definite answer will be given within two weeks from the latest date set for receiving applications. Any original papers, printed or in manuscript, which have been prepared by the applicant and sent in support of her application will be returned when stamps for that purpose are enclosed, or specific directions for return by express are given. Letters or testimonials from professors and instructors will be filed for reference.

*Applications for Resident Fellowships and Scholarships.*

For graduate students attending six or more hours a week of lectures, and for fellows and graduate scholars the tuition fee is one hundred and twenty-five dollars a year, payable half-

*Tuition for Graduate Students.*

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\* In the case of candidates for the Scholarships open to British, French and German women applications must be received by May the first. Applications for the scholarships should be accompanied by full particulars of the candidate's academic work, by diplomas or certificates and by letters of recommendation from professors and should be addressed in the case of British and French candidates to the President of Bryn Mawr College, Bryn Mawr, Pennsylvania, U. S. A., and in the case of German candidates to Seiner Excellenz dem Herrn Staatssekretär des Innern, Reichsamt des Innern, Berlin, Germany.



yearly in advance. For other graduate students\* who do not wish to devote all their time to graduate work the fees are as follows, payable in advance: for one hour a week of lectures, ten dollars a semester; for two hours a week of lectures, twenty dollars a semester; for three hours a week of lectures, thirty dollars a semester; and for four or five hours a week of lectures, forty dollars a semester.† This arrangement is made especially for non-resident graduate students, but those who wish to take five hours a week of lectures or less may live in the college halls on the understanding that they must give up their rooms if needed for students who are taking the full amount of graduate work and paying the regular tuition fee. The tuition fee for the semester becomes due as soon as the student is registered in the college office. No reduction of this fee can be made on account of absence or for any other reason whatsoever. Graduate students are admitted to residence or to attendance on lectures at any time during the year, and in this case a proportionate reduction is made in the charges for board and room-rent and for tuition. Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

*Laboratory  
Fees.*

Graduate students taking courses in scientific departments (Physics, Chemistry, Geology, Biology, and Psychology) amounting to six or more hours a week of lecture courses or its equivalent in laboratory courses are charged a laboratory fee of eighteen dollars a semester, with the following exceptions: if the student takes, as a regular student, courses in subjects

\* Doctors of Philosophy of Bryn Mawr College may attend lectures or work in the laboratories without payment of any fee except for material used in the laboratory.

† The fees charged are reckoned on the basis of the actual hours of conference or lecture, irrespective of the number of undergraduate hours to which the course is regarded as equivalent.

In counting the number of hours for which a graduate student is registered the following special arrangements are made in regard to laboratory courses: payment for a one hour lecture course in a scientific department entitles the student to four hours of laboratory work in addition with no extra charge except the laboratory fee. Students registered for laboratory work only, are charged the following tuition fee: for each two and one-half hours of undergraduate laboratory course and for each five hours of graduate laboratory course the same fee as for a one hour lecture course. The laboratory fees as stated above are charged in addition to the charge for tuition.



not enumerated above amounting to six hours a week the laboratory fee is reduced to twelve dollars a semester; and if she takes, as a regular student, courses in subjects not enumerated above amounting to ten hours a week the laboratory fee is reduced to six dollars a semester.

Graduate students taking less than six hours a week of lectures, or its equivalent in laboratory work, and graduate students taking one undergraduate laboratory only are charged a laboratory fee of ten dollars a semester for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

Residence in the college buildings is optional except for holders of resident fellowships and scholarships. In each hall of residence, except Merion Hall, a special wing or corridor is reserved for graduate students, and in order to secure entire quiet no undergraduate students are permitted to engage rooms in the graduate wings. The expense of board and residence in the graduate wings of the college halls is two hundred and seventy-five dollars. Of this amount two hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expenses of furnishing, service, heating, and light.\*

A deposit of fifteen dollars is required from each graduate student, fellow, or scholar who desires to reserve a room in a hall of residence. The amount of this deposit will be deducted from the rent if the room is occupied by the student; it will be refunded if the student gives formal notice to the Secretary of the College before the fifteenth of July preceding the academic year for which the application is made that she wishes to withdraw her application. In other cases the deposit will be forfeited.

For graduate students the fees are as follows:

Tuition for the semester, payable on registration:

|   |          |
|---|----------|
| For one hour† a week of lectures.....                         | \$ 10.00 |
| For two hours a week of lectures.....                         | \$ 20.00 |
| For three hours a week of lectures.....                       | \$ 30.00 |
| For four or five hours a week of lectures.....                | \$ 40.00 |
| For six or more hours a week of lectures.....                 | \$ 62.50 |
| Room-rent for the academic year, payable on registration..... | \$ 75.00 |
| Board for the semester payable on registration.....           | \$100.00 |

Total expenses for the academic year:

|  |          |
|--|----------|
| Tuition fee, for six or more hours a week of lectures..... | \$125.00 |
| Room-rent.....   | \$ 75.00 |
| Board.....   | \$200.00 |
| Infirmiry fee.....   | \$ 5.00  |

Total for tuition, residence, and infirmiry care for the academic year.\$405.00

Laboratory fees for the academic year.....\$10 to \$36

*Residence  
for  
Graduate  
Students.*

*Summary  
of  
Expenses  
for  
Graduate  
Students.*

\* Rugs and towels must be furnished by the students themselves. Graduate students will, upon request, be supplied with rugs.

† See footnote, page 72.

Students whose fees are not paid by November first in the first semester or by March first in the second semester are not permitted to continue in residence or in attendance on their classes.

*Tuition  
for  
Under-  
graduate  
Students.*

For undergraduate students and hearers the charge for tuition is two hundred dollars a year, payable in advance.\* The average cost of teaching each undergraduate student is three hundred and fifty dollars a year. The tuition fee has been fixed at two hundred dollars in order not to exclude those unable to pay the entire amount but the difference between the actual cost and the price of tuition must be met from the small endowment funds of the college and from outside gifts. Voluntary contributions from parents or students able and willing to pay the whole or any part of this additional one hundred and fifty dollars will be credited as a gift towards the college salaries for teaching. No reduction of the charge of two hundred dollars can be made on account of absence, illness, or for any other reason whatsoever.

Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

For undergraduate students there is an additional charge of ten dollars a semester for materials and apparatus for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

In courses in Geology each hour of field work is counted as one hour of laboratory work. Not more than one laboratory course is required of candidates for a degree.

*Residence  
for  
Under-  
graduate  
Students.*

Residence in the college buildings is required of all undergraduate students except those who reside with their families in Philadelphia or in the neighborhood. The expense of board and residence in the college halls for undergraduate students is three hundred dollars a year and upwards, according to the room or rooms occupied by the student; in about one-third of the college rooms the expense of board and residence is three hundred or three hundred and seventy-five dollars. Of this charge two hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is

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\* Students that intend to take the degree of Bachelor of Arts in February will be charged only one half the regular tuition fee if they register this intention in the comptroller's office before beginning their college work, provided their entire academic work can be completed in the first semester.

payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expense of furnishing, service, heating, and light.\*

The health of the students is under the charge of a Health Committee consisting of the President, the Dean of the College, the Director of Athletics, and the Physicians of the College. See page 182 of this Calendar.

Every student entering the college will be vaccinated unless she can furnish satisfactory proof that she has been successfully vaccinated not more than two years previously.

The conduct of the students in all matters not purely academic, or affecting the management of the halls of residence, or the student body as a whole, is in the hands of the Students' Association for Self-Government, which was organized in 1892. All persons studying in Bryn Mawr College, whether graduates or undergraduates, are members of this association.

The College reserves the right to exclude at any time students whose conduct or academic standing renders them undesirable members of the college community, and in such cases the fees due to the college are not refunded or remitted.

Plans and descriptions of the academic buildings and of the halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall West, Pembroke Hall East, and Rockefeller Hall, with a full account of the halls and tariff of rooms, are published as Part 4 of the Bryn Mawr College Calendar and may be obtained by application to the Secretary of the College. Each of the halls of residence (except Pembroke, which has a common dining-hall and kitchen for the two wings) has its separate kitchen and dining-hall, provides accommodation for from sixty to seventy students, and is under the charge of a resident warden. Application for rooms should be made as early as possible. The demand for rooms is very great and since every room unnecessarily reserved may prevent some other student from entering the college, every application for a room or suite of rooms, whether made by a student already in residence or by a candidate for admission to the college, must be accompanied by a deposit of fifteen dollars, otherwise the application will not be registered. The amount of this deposit will be deducted from the rent if the room or suite of rooms assigned

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\* Rugs and towels must be furnished by the students themselves.



be occupied by the applicant. The amount of this deposit will be refunded in the following cases:

*a.* If an applicant who is a student of the college gives formal notice to the Secretary of the College that she wishes to withdraw her application before the first of May preceding the academic year for which the application is made.\*

*b.* If a candidate who has applied for admission to the college in October gives formal notice to the Secretary of the College that she wishes to withdraw her application before the fifteenth of July preceding the academic year for which the application is made.

*c.* If a candidate who has applied for admission to the college in February gives formal notice to the Secretary of the College that she wishes to withdraw her application before the first of December preceding the semester for which the application is made.

In all other cases the deposit will be forfeited to the college.

The above mentioned deposit of fifteen dollars must also be made by each student in residence in order to insure the tenure of her room for the following academic year.\*

Every applicant giving up later than the first of September the room or suite of rooms assigned to her for the ensuing academic year is responsible for the rent thereof for the whole year; exception will be made only in the case of applicants that take, and fail to pass, the autumn examinations for matriculation, but even in this case the deposit cannot be refunded. Every applicant for a room in February will, with the above exceptions, be responsible for the rent of the room or suite of rooms assigned to her for one semester, unless she gives formal notice of withdrawal to the Secretary before the first of January. The charges for room-rent are not subject to remission or deduction under any circumstances, being considered forfeit in case of withdrawal for any cause whatever. The applicant is not entitled to relet the rooms thus left vacant, this right being reserved exclusively by the college, no refund being made to the applicant in case the room or suite of rooms thus left vacant are relet. Every student who changes her room is required to pay an extra fee of fifteen dollars.

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\* Every student except a member of the freshman class who moves from one hall to another is charged a fee of ten dollars for moving, and every student except a member of the freshman class who moves from one room to another in the same hall is charged a fee of five dollars. This fee entitles a student to have five pieces moved free of charge.



In case of prolonged illness and absence from the college extending over six weeks or more, there will be a proportionate reduction in the charge for board.

Rooms are assigned to members of the entering class who have already passed their entrance examinations during the summer preceding the academic year for which application is made. No particular room or set of rooms may be applied for. Applicants are allowed to choose in turn from among all the rooms left vacant, the order of choice being determined by the date at which the application is registered. Cheques should be drawn payable to Bryn Mawr College.

Students are expected to provide their own rugs and towels, but in every other respect the rooms are completely furnished. Electric reading lamps, table napkins, sheets, etc., are provided by the college. No part whatever need be taken by the students in the care of their own rooms.

There are open fire-places in nearly all the studies and in many single rooms, but the rooms are sufficiently heated by steam; the air in each room is changed every ten minutes, and the temperature is regulated by a thermostat in each room. Electric reading lamps are provided in every room. The students' personal washing may be done by any laundry recommended by the college for 50 cents a dozen, or about \$8 a half-year for one dozen pieces a week. On account of the danger of infectious diseases students in residence are not permitted to send their washing to private laundresses.

No charge is made for sending meals to students that are in the infirmaries by the order of the physicians of the college.

Accommodation is provided for students that wish to remain at the college during the Christmas and Easter vacations at \$1.25 a day or \$8.75 a week for graduate, and \$1.50 a day or \$10.50 a week for undergraduate students.

Students who expect to spend any part of the Christmas or Easter vacations in Bryn Mawr, Philadelphia, or the immediate neighborhood, not in their own homes and not in the college halls of residence, are required to consult the Secretary in regard to the arrangements that they wish to make.

### For undergraduate students the fees are as follows:

|   |           |
|---|-----------|
| Tuition for the academic year, payable October 1st.....   | \$200.00  |
| Room-rent for the academic year, payable October 1st.....   | \$100.00* |
| or \$175, \$200, \$225, \$250, \$275, \$300, \$325, \$350, \$400, depending<br>on the room or rooms occupied. |           |
| Infirmary fee for the academic year, payable October 1st.....   | \$ 10.00  |
| Board for the academic year, payable in equal instalments, October<br>1st and February 1st.....               | \$200.00  |
| <hr/>   |           |
| Total for tuition, residence and infirmary fee for the academic<br>year with minimum room-rent.....           | \$510.00  |
| Laboratory fees, for laboratory course of less than four hours a week<br>for the academic year.....           | \$ 10.00  |
| For laboratory course of four or more hours a week for the academic<br>year.....                              | \$ 20.00  |
| Graduation fee.....   | \$ 20.00  |

### *Summary of Expenses for Under- graduate Students.*

\* In about one-sixth of the college rooms the rent is \$100, making the cost of board, residence, and tuition for undergraduate students \$500; but students desiring to apply for rooms at \$100 must file a statement at the president's office that they are unable to afford rooms at a higher price.

Students whose fees are not paid before November first in the first semester or before March first in the second semester are not permitted to continue in residence or in attendance on their classes.

### **Loan Fund.**

THE STUDENTS' LOAN FUND OF BRYN MAWR COLLEGE was founded by the Class of 1890 for the purpose of receiving contributions, however small, from those who are interested in aiding students to obtain an education. The money thus contributed is distributed in the form of partial aid, and as a loan. It is as a rule applied to the assistance of those students only who have attended courses in the college for at least one year. The fund is managed by a committee consisting of the President of the College and representatives of the Alumnae Association of Bryn Mawr College. The committee reports yearly to the Board of Trustees and to the Alumnae Association. The committee consists of the following members: President M. Carey Thomas; Miss Martha G. Thomas, Secretary and Treasurer, Bryn Mawr College; Mrs. Bernard Todd Converse, Ardmore, Pa., Miss Doris Earle, Stenton Avenue, Chestnut Hill, Philadelphia, Mrs. Edward Wyatt Evans, 151 E. Coulter Street, Germantown, Philadelphia, and Miss Ethel Pew, Bryn Mawr, Pa. Contributions may be sent to any member of the committee. Applications for loans should be sent to the Treasurer of the committee, and all applications for loans for any given year should be made before April 20th, of the preceding academic year.

### **Scholarships.**

SCHOLARSHIPS.—Eight competitive entrance scholarships, four of the value of \$300 and four of the value of \$200, were founded by the College in 1896. They are awarded annually to candidates receiving their final certificates in the spring matriculation examinations of Bryn Mawr College, a first scholarship of the value of \$300 and a second of the value of \$200 being open to candidates from each of the following districts:—(a) The New England States; (b) New York, New Jersey, and Delaware; (c) Ohio, Indiana, Illinois, Michigan, and Wisconsin, and the States west of the Mississippi River; (d) Pennsylvania and all places not included in (a), (b), and (c). The district to which a candidate is considered to belong is determined by the school at which she receives her final preparation, or in case of preparation by private study by the place of residence during the year preceding the final examination; but candidates may present themselves for examination at any place where such examination is held. These scholarships, which are to be held for one year only, are awarded in each of the above named districts on the basis of the sum total of marks obtained by the candidate, but no one is eligible for the first scholarship who has received more than two conditions in the twenty sections of the examination, and no one is eligible for the second scholarship who has received more than four conditions in the twenty sections of the examination. When the examination has been divided no account is taken of those conditions incurred in the first division which have been passed off in the final examination. The competition is limited to those who intend to spend at least one year in residence at Bryn Mawr College, who have not studied at any other college, and have not cancelled any division of the Bryn Mawr College matriculation examinations. All those who present themselves are *ipso facto* candidates for these scholarships, no formal declaration of candidacy being required.

Eight scholarships for non-resident students of \$200 each, entitling the holder to free tuition, renewable for four consecutive years, were founded by the College in 1893, and were presented to the public schools of Philadelphia through Dr. Brooks, the Superintendent of the Public Schools of Philadelphia, on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examination of Bryn Mawr College in the High School for Girls, Philadelphia; 2. She shall have been recommended by the Board of Education of Philadelphia, and their recommendation shall have been approved by the Directors of Bryn Mawr College; 3. The scholarship shall be renewed annually by the Directors, until the holder has completed her fourth year at college, provided her conduct and academic work have been satisfactory to the authorities of the college.

The L. C. B. Saul Memorial Scholarship. In 1893 the Alumnae Association of the Girls' High and Normal School of Philadelphia founded at Bryn Mawr College a scholarship

entitling the holder to free tuition, renewable for four years. This scholarship is awarded every four years to the graduate of the Girls' High School who passes the matriculation examination of Bryn Mawr College for that year with the highest credit. In 1904 the scholarship was renamed the L. C. B. Saul Memorial Scholarship.

One scholarship of \$200 entitling the holder to one year's free tuition, was founded by the College in 1895, and was presented to the School Board of Education of Lower Merion Township, Montgomery County, Pa., for the benefit of graduates of the High School of Lower Merion Township, Ardmore, Pa., on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examinations in the Lower Merion High School; 2. She shall have been recommended by the School Board of Education of Lower Merion Township, and their recommendation shall have been approved by the Directors of Bryn Mawr College; 3. If in any year there shall be, in the judgment of the School Board of Education of Lower Merion Township, no satisfactory candidate in the graduating class, the scholarship may be renewed during the following year for the benefit of a former holder, provided her conduct and academic work have been satisfactory to the authorities of the college.

One scholarship of \$200 entitling the holder to one year's free tuition was founded by the Directors in 1909 and was presented to the School Board of Education of Norristown, Pa., for the benefit of graduates of Norristown High School, on the following terms: 1. That the candidate shall have received all her preparation for Bryn Mawr College in the Norristown High School; 2. That she shall have successfully passed the entrance examinations of Bryn Mawr College not later than the June preceding the autumn in which she wishes to enter the college; 3. That this scholarship shall not be awarded twice to the same person unless the Superintendent of Schools shall file in the office of the President of the College a statement to the effect that no other member of the graduating class is able to compete for the scholarship; 4. That the candidate shall have been nominated to the Board of Directors of Bryn Mawr College by the Superintendent of Schools or by the Board of Education and that such nomination shall have been duly approved by the Board of Directors of Bryn Mawr College.

One competitive scholarship of the value of \$200, renewable till graduation, is open annually for competition to members of the Society of Friends who are unable to pay the full charge for tuition and residence. This scholarship is awarded, as far as possible, under the same rules as those governing the award of the eight competitive entrance scholarships of Bryn Mawr College. Two additional scholarships of the value of \$200 each are open for competition to graduate students who are members of the Society of Friends and need financial assistance. Three scholarships, of \$400 each, for one year, are open to those graduates of Earlham, Penn., and Guilford Colleges respectively, who in the preceding year have completed the course of their several colleges with most distinction. These scholarships have been established by the Trustees in accordance with the desire of the Founder of the college to promote the advanced education of women in the Society of Friends, of which he was a member.

Scholarships of the value of \$500 each were founded in 1885 by the Board of Managers of the Bryn Mawr School, of Baltimore, Maryland. One of these scholarships is open annually to the graduate of the Bryn Mawr School who has completed the school course with most distinction.

The James E. Rhoads Memorial Scholarships two in number, each of the value of \$250 for one year, were founded in 1897 by the Alumnae Association of Bryn Mawr College, in memory of the first President of the College, Dr. James E. Rhoads. The first of these scholarships is the James E. Rhoads Sophomore Scholarship, and is open to those students only who have completed college work amounting to not less than ten and not more than twenty-two and a half hours (three semesters' work) for a year, and have been in attendance upon lectures at Bryn Mawr College not less than one semester. The second of these scholarships is the James E. Rhoads Junior Scholarship, and is open to those students only who have completed college work amounting to not less than twenty and not more than thirty-seven and a half hours (five semesters' work) for a year, and have been in attendance upon lectures at Bryn Mawr College not less than three semesters. To be eligible for either



of these two scholarships a student shall have attained a high degree of excellence in her work, shall express her intention of fulfilling the requirements for the degree of A.B. at Bryn Mawr College, and shall prove her need of financial aid to the satisfaction of the nominating committee. In case either scholarship is awarded to a non-resident student, its value shall not exceed \$150. The nominating committee consists of the President of Bryn Mawr College, two members of the Academic Council of the College, appointed annually by the Council, the President of the Alumnae Association of Bryn Mawr College and three other members of the Alumnae Association appointed by the executive committee of the Alumnae Association. Applications for the scholarships should be addressed to the Assistant to the President, Bryn Mawr College, to be forwarded to the Chairman of the Committee.

The Mary E. Stevens Scholarship of the value of \$160 founded in 1896 by former pupils of Miss Mary E. Stevens's School is awarded to a member of the Sophomore class who needs financial assistance, to be held at Bryn Mawr College, during the junior year. It is open to those students only who have registered for college work amounting to not less than forty and not more than sixty-five hours for a semester and have been in attendance upon lectures at Bryn Mawr College not less than three semesters. Applications for this scholarship should be addressed to the President of Bryn Mawr College.

Two Maria Hopper Scholarships of the value of \$200 each were founded in 1901 by the bequest of the late Maria Hopper of Philadelphia. They are awarded, on the ground of excellence in scholarship, to two members of the freshman class who need financial assistance, to be held at Bryn Mawr College during the sophomore year. They are open to those students only who have registered for college work amounting to not less than twenty and not more than forty-five hours for a semester and have been in attendance upon lectures at Bryn Mawr College not less than one semester. Applications for these scholarships should be addressed to the President of Bryn Mawr College.

The Anna M. Powers Memorial Scholarship of the value of \$200 was founded in 1902 by Mrs. J. Campbell Harris in memory of her mother, Anna M. Powers. The scholarship is open to members of the junior class who need financial aid in order to complete the work for the degree and is to be held in the senior year. The holder is nominated by the donor subject to the approval of the President and Faculty of the College.

The Maria L. Eastman Brooke Hall Memorial Scholarship of the value of \$100 was founded in 1901, in memory of Maria L. Eastman, Principal of Brooke Hall School for Girls, Media, Pa., by the Alumnae and former pupils of the school. It is awarded each year on the ground of scholarship, irrespective of the need of financial aid, to a member of the junior class to be held during the senior year. No application for the scholarship is necessary.

The Charles E. Ellis Scholarships of the value of \$200 each were founded in 1909 by the bequest of the late Charles E. Ellis and are awarded on the recommendation of the Superintendent of the Public Schools of the City of Philadelphia to students educated in the public schools of Philadelphia who have passed the entrance examinations of Bryn Mawr College and whose nomination has been approved by the Board of Directors of the Trustees of Bryn Mawr College.

A special Thomas H. Powers Memorial Scholarship of the value of \$200 was given in 1910 by Mrs. J. Campbell Harris in memory of her father, Thomas H. Powers. The holder is nominated by the donor subject to the approval of the President and Faculty of the College.

The George W. Fetter Memorial Scholarship of the value of \$200 was given in 1911 by Mrs. George W. Fetter in memory of her husband. It is awarded to a student selected by the donor subject to the approval of the President and Faculty of the College and is renewable for four consecutive years if the holder's record prove satisfactory.

The Anna Hollowell Memorial Scholarship of the value of \$100 was founded in 1912 by the family of the late Anna Hollowell. It is awarded to a member of the sophomore class in need of financial assistance to enable her to continue her studies during her junior year, and is to be given by the faculty to the student satisfying the above requirement who has the highest academic record provided that this student does not hold any other scholarship. This provision may, however, be disregarded in case of great financial need.

The Frances Marion Simpson Scholarships, four in number, each of the value of \$200, were founded in 1912 by Mr. Alexander Simpson, Jr., in memory of Frances Simpson Pfahler, of the class of 1906; one scholarship is to be awarded in October, 1912, a second in October, 1913, a third in October, 1914, and a fourth in October, 1915, to candidates who receive their final certificates in the preceding spring matriculation examination. Competition for these scholarships is open only to residents of Philadelphia and Montgomery counties who have been prepared for Bryn Mawr College in the public schools of the said counties, or at home by their parents and guardians, or in the model school of the Department of Education of Bryn Mawr College, or in Miss S. Janet Sayward's School at Overbrook, Pennsylvania; and only those students who are unable or whose parents are unable to afford to pay the fees for tuition in Bryn Mawr College are entitled to compete.

The scholarships are renewable for four successive years, and are meant for those students only who take the full college course. Students holding the scholarships who become able to pay the tuition fees of Bryn Mawr College in whole or in part are required to do so, and all holders of the scholarships are required to promise to repay for the benefit of other students in need of the scholarship, the advances made to them, when they can do so without oppressing themselves or neglecting their duties to others.

The Mary Anna Longstreth Memorial Scholarship of the value of \$200 was founded in 1913 by the Alumnae of the Mary Anna Longstreth School, the children of Alumnae, and other friends in grateful memory of Mary Anna Longstreth. The scholarship, which provides free tuition for one student, is to be awarded each year to a member of the entering class who needs financial aid to undertake her college course and has not been prepared in a school in Philadelphia.

The Elizabeth Duane Gillespie Scholarship in American History of the value of \$60 was founded in 1903 by the Pennsylvania Society of Colonial Dames of America, in memory of Elizabeth Duane Gillespie. It is awarded annually to a member of the sophomore or junior class, on condition that the holder of the scholarship devote to the study of American history at least four hours a week for one year during the last two years of her college course. The candidate is to be selected by the Faculty of Bryn Mawr College on the ground of excellence in scholarship.

The Woman's Medical College of Pennsylvania presented to Bryn Mawr College in 1910 a scholarship to be awarded to a graduate of the college recommended by the President and Faculty as in their opinion qualified to take up the study of medicine. The holder is given free tuition for one year at the Woman's Medical College of Pennsylvania and the scholarship will be renewed for the three remaining years of the medical course if the holder's record prove satisfactory.

FOUNDATION OF SCHOLARSHIPS.—The sum of five thousand dollars given or left by will to the Directors of Bryn Mawr College, will found a perpetual scholarship giving free tuition to one student every year. The scholarship may be given in memory of and named after any person designated by the donor.

### FORM OF BEQUEST.

*I give and bequeath to The Trustees of Bryn Mawr College, a corporation established by law in the State of Pennsylvania, the sum of.....to be invested and preserved inviolably for the endowment\* of Bryn Mawr College, located at Bryn Mawr, Pennsylvania.*

*Dated.....*

\* The bequest may be made, if desired, for foundation of professors' chairs, scholarships, fellowships, or for some other specified purpose.

## INSTRUCTION.

*Libraries.* The fact that the college is situated in the suburbs of Philadelphia enables the student to make use of all the resources of the libraries of Philadelphia, as well as those of the college proper.

The college library has been collected within the past twenty-eight years, and is designed to be, as far as possible, a library for special study. There are at present on its shelves about sixty-seven thousand bound volumes, and ten thousand doctor's dissertations and pamphlets, the collection including the classical library of the late Professor Sauppe, of Göttingen, which was presented to the college in 1894, and the Semitic library of the late Professor Amiaud, of Paris, acquired in 1892. A more detailed description of these two collections may be found on pages 92 and 130.

The books needed principally for graduate and research work are shelved in the fourteen seminary libraries and the books on physics, chemistry, geology, and biology in the departmental libraries in Dalton Hall adjoining the laboratories in these subjects. The books of reference, sets of periodicals, and proceedings of societies and the main collection of the library are kept in the stack room.

In each of the six halls of residence are collections of from five to six hundred volumes each, consisting of books useful to undergraduate students, not only supplementing their private libraries, but duplicating such books in the general library as are most used. A seventh collection of this character is kept in the main library for the use of non-resident students.

Students may take from the general and departmental libraries for periods of two weeks each, any books except reference books and books reserved for special use. Books in the hall libraries and books reserved for special use may be taken for two hours.

The sum of about seven thousand dollars is expended yearly for books under the direction of the heads of the several collegiate departments, and, in addition to many gifts of books, about twenty thousand dollars has been presented to the library during the past ten years for expenditure in special departments. Over four hundred publications and reviews in the English,



German, Greek, French, Italian, Spanish, Norse, and Swedish languages, are taken by the library, as follows:

*General and Miscellaneous Periodicals.*

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| <p>Abhandlungen der Königlichen Bayerischen Akademie der Wissenschaften zu München.<br/>Academy.<br/>American Magazine.<br/>*Amherst Graduates' Quarterly.<br/>Annales Politiques et Littéraires.<br/>Athenæum.<br/>Atlantic Monthly.<br/>*Bibliothèque de la Faculté des Lettres de l'Université de Paris.<br/>Bookman.<br/>Bookman (English).<br/>*Book News Monthly.<br/>Bookseller.<br/>*Bryn Mawr Alumnae Quarterly.<br/>Blätter des deutschen Theaters.<br/>Bulletin of Bibliography.<br/>*Bulletin of the New York Public Library.<br/>*Bulletin of the Pan-American Union.<br/>Century.<br/>Collier's Weekly.<br/>*Columbia University Quarterly.<br/>*Common Cause.<br/>Contemporary Review.<br/>Country Life in America.<br/>La Cultura.<br/>Cumulative Book Index.<br/>Deutsche Rundschau.<br/>Dial.<br/>Drama.<br/>English Review.<br/>Everybody's Magazine.<br/>Fortnightly Review.<br/>Forum.<br/>Göttingische Gelehrte Anzeigen.<br/>Harper's Monthly Magazine.<br/>Harper's Weekly.<br/>Harvard Graduate's Magazine.<br/>L'Illustration.<br/>Index to Dates.<br/>Internationale Wochenschrift für Wissenschaft, Kunst u. Technik.<br/>Jahresverzeichniss der an den deutschen Schulanstalten erschienenen Abhandlungen.<br/>*Johns Hopkins University, Circulars.<br/>Library Journal.<br/>McClure's Magazine.</p> | <p>Mercure de France.<br/>Mind and Body.<br/>*Monthly Bulletin of the Carnegie Library of Pittsburgh.<br/>Münchener allgemeine Zeitung.<br/>Nachrichten von der Königlichen Gesellschaft der Wissenschaften, Göttingen.<br/>Nation.<br/>Neue Rundschau.<br/>Nineteenth Century.<br/>North American Review.<br/>Notes and Queries.<br/>Nuova Antologia.<br/>Outlook.<br/>*Pennsylvania Library Notes.<br/>Preussische Jahrbücher.<br/>Publishers' Weekly.<br/>Punch.<br/>Quarterly Review.<br/>Reader's Guide to Periodical Literature.<br/>Review of Reviews.<br/>Revue Critique d'Histoire et de Littérature.<br/>*Revue Critique des Livres Nouveaux.<br/>Revue de Paris.<br/>Revue des Deux Mondes.<br/>Revue Politique et Littéraire: Revue Bleue.<br/>Saturday Review.<br/>Scribner's Magazine.<br/>Sewanee Review.<br/>Sitzungsberichte der Königlichen Bayerischen Akademie der Wissenschaften.<br/>Sitzungsberichte der Königlichen Preussischen Akademie der Wissenschaften zu Berlin.<br/>Spectator.<br/>Der Türmer.<br/>*Tipyn o' Bob.<br/>*University of California, Publications.<br/>*University of Colorado, Studies.<br/>*University of Missouri, Studies.<br/>*University of Nebraska, Studies.<br/>*University of Nevada, Studies.<br/>*University of Texas, Studies.<br/>*University of Washington, Studies.<br/>Westminster Review.<br/>Die Woche.<br/>World's Work.</p> |
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*Newspapers.*

\*Bryn Mawr Record.  
New York Evening Post.  
New York Times.

New York Tribune.  
Philadelphia Public Ledger.

*Art and Archaeology.*

American Journal of Archaeology.  
Bulletin de Correspondance hellénique.  
Bulletin of the Archaeological Institute of America.

\*Bulletin of the Metropolitan Museum of Art, New York.  
Burlington Magazine.  
Ephemeris Archaeologica.  
Gazette des Beaux Arts.  
Jahrbuch des Kaiserlich deutschen archäologischen Instituts.  
Jahresbericht über die Fortschritte der classischen Alterthumswissenschaft.  
Jahreshefte des österreichischen archäologischen Instituts in Wien.

Journal of Hellenic Studies  
Mittheilungen und Nachrichten des Deutschen Palestina Vereins.  
Mittheilungen des Kaiserlich deutschen archäologischen Instituts, Athenische Abteilung.  
Mittheilungen des Kaiserlich deutschen archäologischen Instituts, Römische Abteilung.  
\*Museum of Fine Arts Bulletin, Boston.  
Notizie degli Scavi di Antichità.  
Revue Archéologique.  
Zeitschrift des Deutschen Palästina Vereins.

*Economics and Politics.*

\*Advocate of Peace.  
All Opinions of the U. S. Supreme Court.  
Allgemeines statistisches Archiv.  
American City.  
American Economic Review.  
American Federationist.  
American Journal of Sociology.  
American Political Science Review.  
Annals of the American Academy of Political and Social Science.  
Bibliography of Social Science.  
\*Bulletin of the New York State Department of Labor.  
\*Bulletin of the University of Wisconsin, Economics and Political Science Series.  
Case and Comment.  
\*City Club Bulletin.  
Columbia Law Review.  
Columbia Studies in History, Economics and Public Law.  
\*Daily Consular Trade Reports.  
Economic Journal.  
Economic Review.  
Handbuch der öffentlichen Rechts.  
Harvard Law Review  
International Socialist Review.  
Jahrbücher für Nationalökonomie u. Statistik.

Johns Hopkins University Studies in Historical and Political Science.  
Journal of Criminal Law.  
Journal of Political Economy.  
Journal of the Royal Statistical Society.  
Political Science Quarterly.  
\*Public Service.  
Publications of the American Economic Association.  
Publications of the American Statistical Association.  
Quarterly Journal of Economics.  
Revue Bibliographique.  
\*Southern Workman.  
Survey.  
\*University of Missouri Studies, Social Science Series.  
\*University of Pennsylvania Publications, Series in Political Economy and Public Law.  
Vierteljahrschrift für Philosophie u. Soziologie.  
\*Visiting Nurse Quarterly.  
Yale Review.  
Zeitschrift für Socialwissenschaft.  
Zeitschrift für Volkswirtschaft, Socialpolitik u. Verwaltung.

*Education.*

Education.  
Educational Review.  
Educational Times.

Elementary School Teacher.  
Journal of Educational Psychology.  
Journal of Pedagogy.

\*Journal of the Association of Collegiate  
Alumnæ.  
Lehrproben und Lehrgänge.  
Manual Training Magazine.  
Pädagogische Studien.  
Pedagogical Seminary.  
Revue Internationale de l'Enseignement  
Supérieur.

Revue Universitaire.  
School Review.  
\*University of California Publications,  
Education.  
Vocational Education.  
Zeitschrift für Pädagogische Psychologie.  
Zeitschrift für Schulgesundheitspflege.

### *History.*

American Historical Review.  
\*Bulletin of the University of Wisconsin,  
History Series.  
English Historical Review.  
Historical Manuscripts Commission, Re-  
ports.  
Historische Vierteljahrschrift.  
Historische Zeitschrift.  
\*Illinois State Historical Society Journal.  
Jahresberichte der Geschichtswissenschaft.

Klio, Beiträge zur alten Geschichte.  
Pennsylvania Magazine of History.  
Révolution Française.  
Revue des Etudes Napoléoniennes.  
Revue des Questions Historiques.  
Revue Historique.  
\*University of Pennsylvania Publications,  
Series in History.  
\*University of Toronto Studies, History  
and Economics.

### *Philology and Literature, Classical.*

Bulletin Bibliographique et Pédagogique  
du Musée Belge.  
Classical Journal.  
Classical Philology.  
Classical Quarterly.  
Classical Review.  
Classical Weekly.  
Harvard Studies in Classical Philology.  
Hermes.  
Jahresbericht über die Fortschritte der  
Klassischen Altertumswissenschaft.  
Journal of Hellenic Studies.  
Journal of Roman Studies.  
Le Musée Belge, Revue de Philologie  
Classique.

Mnemosyne.  
Philologische Untersuchungen.  
Philologus.  
Quellen und Forschungen zur lateinischen  
Philologie.  
Revue de Philologie.  
Revue des Etudes Grecques.  
Rheinisches Museum für Philologie.  
Rivista di Filologia.  
Studi Italiani di Filologia Classica.  
Studi Storici per l'Antichità Classica.  
Wiener Studien, Zeitschrift für klassische  
Philologie.  
Wochenschrift für klassische Philologie.

### *Philology and Literature, General and Comparative.*

American Journal of Philology.  
Berliner philologische Wochenschrift.  
Eranos.  
Indogermanische Forschungen.  
Journal of English and Germanic Philol-  
ogy.  
Journal of Philology.  
Neue Jahrbücher für das klassische Alter-  
tum, Geschichte und deutsche Literatur.  
Transactions of the American Philological  
Association.

\*University of Pennsylvania Publications,  
Series in Philosophy and Literature.  
Zeitschrift für das Gymnasialwesen.  
Zeitschrift für die österreichischen Gym-  
nasien.  
Zeitschrift für vergleichende Literatur-  
geschichte.  
Zeitschrift für vergleichende Sprachfor-  
schung.

### *Philology and Literature, Modern.*

Anglia.  
Anglistische Forschungen.  
Annales Romantiques.

Archiv für das Studium der neueren  
Sprachen.  
Archivio Glottologico Italiano.



Arkiv for Nordisk Filologi.  
 Beiblatt zur Anglia: Mitteilungen über  
 englische Sprache und Litteratur.  
 Beiträge zur Geschichte der deutschen  
 Sprache und Litteratur.  
 Bonner Studien zur englischen Philologie.  
 British Society of Franciscan Studies.  
 Bulletin de la Société des Anciens Textes  
 Français.  
 Bulletin hispanique.  
 Chaucer Society, Publications (both  
 series).  
 Deutsche Literaturzeitung.  
 Dialect Notes.  
 Early English Text Society Publications  
 (both series).  
 Englische Studien.  
 Euphorion.  
 German American Annals.  
 Germanisch-romanische Monatsschrift.  
 Giornale Dantesco.  
 Giornale Storico della Letteratura Italiana.  
 Goethe Jahrbuch.  
 Jahrbuch der deutschen Shakespeare  
 Gesellschaft.  
 Jahrbuch des Vereins für niederdeutsche  
 Sprachforschung.  
 Jahresbericht über die Erscheinungen auf  
 dem Gebiete der germanischen Philo-  
 logie.  
 Journal of German Philology.  
 Kieler Studien zur englischen Philologie.  
 Korrespondenzblatt des Vereins für nieder-  
 deutsche Sprachforschung.  
 Kritischer Jahresbericht über die Fort-  
 schritte der romanischen Philologie.  
 Literarische Echo.  
 Literarisches Centralblatt.  
 Literaturblatt für germanische und roman-  
 ische Philologie.

Le maitre Phonétique.  
 Materialien zur Kunde des älteren Engli-  
 schen Dramas.  
 Modern Language Notes.  
 Modern Language Review.  
 Modern Philology.  
 Münchener Beiträge zur romanischen und  
 englischen Philologie.  
 Palaestra.  
 Poet-lore.  
 Praeger deutsche Studien.  
 Publications of the Modern Language  
 Association.  
 Quellen und Forschungen zur Sprach-  
 und Culturgeschichte der germanischen  
 Völker.  
 Rassegna Bibliografica.  
 Revue d'Histoire Littéraire de la France.  
 Revue des Etudes Rabelaisiennes.  
 Revue Germanique.  
 Revue Hispanique.  
 Romania.  
 Romanic Review.  
 Romanische Forschungen.  
 Schriften der Goethe Gesellschaft.  
 Scottish Text Society, Publications.  
 Société des Anciens Textes français, Pub-  
 lications.  
 Société des Textes Français Modernes,  
 Publications.  
 Studien zur englischen Philologie.  
 Wiener Beiträge zur englischen Philologie.  
 Zeitschrift für den deutschen Unterricht.  
 Zeitschrift für deutsche Philologie.  
 Zeitschrift für deutsches Altertum und  
 deutsche Litteratur.  
 Zeitschrift für französische Sprache und  
 Litteratur.  
 Zeitschrift für romanische Philologie.

### *Philology and Literature, Semitic.*

American Journal of Semitic Languages  
 and Literatures.  
 Babyloniaca.  
 Jewish Quarterly Review.  
 Proceedings of the Society of Biblical  
 Archaeology.  
 Recueil d'archéologie orientale.

Recueil de Travaux relatifs à la Philologie  
 et à l'Archéologie égyptiennes et  
 assyriennes.  
 Zeitschrift für ägyptische Sprache und  
 Altertumskunde.  
 Zeitschrift für Assyriologie.

### *Philosophy and Psychology.*

American Journal of Psychology.  
 Année Psychologique.  
 Archiv für die gesamte Psychologie.  
 Archiv für Geschichte der Philosophie.  
 Archiv für systematische Philosophie.  
 Archives de Psychologie.  
 Archives of Psychology.

British Journal of Psychology.  
 Bulletin de l'Institut Psychologique.  
 International Journal of Ethics.  
 Journal de Psychologie.  
 Journal für Psychologie und Neurologie.  
 Journal of Abnormal Psychology.  
 Journal of Animal Behaviour.

Journal of Educational Psychology.  
 Journal of Philosophy, Psychology and  
 Scientific Methods.  
 Journal of Religious Psychology.  
 Mind.  
 Monist.  
 Philosophical Magazine.  
 Philosophical Review.  
 Proceedings of the Aristotelian Society.  
 Psychological Bulletin.  
 Psychological Review.  
 Psychological Review; Monograph Sup-  
 plements.  
 Psychological Review; Psychological Index.  
 Psychologische Arbeiten.  
 Psychologische Studien.  
 Revue de l'Hypnotisme.

Revue de Métaphysique.  
 Revue de Psychothérapie.  
 Revue Philosophique.  
 \*Studies from the Yale Psychological Lab-  
 oratory.  
 \*University of California Publications,  
 Philosophy.  
 \*University of Toronto Studies, Psychology  
 Series.  
 Vierteljahrsschrift für wissenschaftliche  
 Philosophie.  
 Zeitschrift für angewandte Psychologie.  
 Zeitschrift für Psychologie und Physio-  
 logie der Sinnesorgane: 1 abt., Zeit-  
 schrift für Psychologie. 2 abt., Zeit-  
 schrift für Sinnesphysiologie.

### *Religion.*

American Friend.  
 American Journal of Religious Psychology  
 and Education.  
 American Journal of Theology.  
 †Association Monthly.  
 †Australasian Intercollegian.  
 \*Baptist Missionary Magazine.  
 Biblical World.  
 Bibliotheca Sacra.  
 \*Deaconess Advocate.  
 †Expositor.  
 Expository Times.  
 Friends' Missionary Advocate.  
 \*Hartford Seminary Record.  
 \*Harvard Theological Review.

†Herald of Gospel Liberty.  
 †Indian's Friend.  
 †Intercollegian.  
 Journal of Biblical Literature.  
 Journal of Theological Studies.  
 †Missionary Review.  
 Proceedings of the Society of Biblical  
 Archæology.  
 \*Publications of the American Jewish  
 Historical Society.  
 Religious Education.  
 Revue Biblique.  
 \*Spirit of Missions.  
 \*Washington Chapel Chronicle.  
 \*Woman's Missionary Friend.

### *Science, Biology.*

American Journal of Anatomy.  
 American Journal of Physiology.  
 American Naturalist.  
 Anatomischer Anzeiger.  
 Archiv für Anatomie und Physiologie.  
 Archiv für die gesammte Physiologie.  
 Archiv für Entwicklungsmechanik der  
 Organismen.  
 Archiv für mikroskopische Anatomie.  
 Archiv für Protistenkunde.  
 Bibliographia Physiologica.  
 Biologisches Centralblatt.  
 Biometrika.  
 Botanische Zeitung. 1. Abtheilung.  
 Botanische Zeitung. 2. Abtheilung.  
 Botanisches Centralblatt.  
 \*Brown University, Contributions from the  
 Biological Laboratory.  
 Centralblatt für Physiologie.  
 Eugenics Laboratory Memoirs.

\*Illinois State Laboratory of Natural  
 History Bulletin.  
 Jahrbücher für wissenschaftliche Botanik.  
 Journal de Physiologie  
 Journal of Experimental Medicine.  
 Journal of Experimental Zoology.  
 Journal of Genetics.  
 Journal of Morphology.  
 Journal of Physiology.  
 Journal of the Royal Microscopical Society.  
 Mittheilungen aus der Zoologischen Sta-  
 tion zu Neapel.  
 Quarterly Journal of Microscopical  
 Science.  
 \*University of California Publications,  
 Physiology.  
 \*University of California Publications,  
 Zoology.  
 \*University of Pennsylvania, Contribu-  
 tions from the Botanical Laboratories.

- \*University of Pennsylvania, Contributions from the Zoological Laboratories.
- \*University of Toronto Studies, Biological Series.

- University of Toronto Studies, Physiological Series.
- Zeitschrift für wissenschaftliche Zoologie.
- Zoologischer Anzeiger

### *Science, General.*

- American Journal of Science.
- Atti della Reale Accademia della Scienze di Torino.
- Bulletin de l'Académie Impériale des Sciences de St. Pétersbourg.
- \*Bulletin of the University of Wisconsin, Engineering Series.
- \*Bulletin of the University of Wisconsin, Science Series.
- Comptes Rendus des Séances de l'Académie des Sciences.
- Elisha Mitchell Scientific Society Journal.
- International Catalogue of Scientific Literature.
- \*Kansas University, Science Bulletin.
- Nature.

- \*New York State Museum Bulletin.
- \*Oklahoma University Research Bulletin.
- Philosophical Transactions of the Royal Society of London.
- Popular Science Monthly.
- Proceedings of the American Philosophical Society.
- Proceedings of the Royal Society of London.
- Science.
- \*Technology Review.
- \*University of Missouri Studies, Science Series.
- Verhandlungen der physikalisch-medizinischen Gesellschaft zu Würzburg.

### *Science, Geology, and Geography.*

- Centralblatt für Mineralogie.
- Economic Geology.
- Geographical Journal.
- Geological Magazine.
- Geologisches Centralblatt.
- \*Georgia Geological Survey Bulletin.
- \*Illinois Geological Survey Bulletin.
- Journal of Geography.
- Journal of Geology.
- Meteorologische Zeitschrift.
- Mineralogical Magazine.

- Mineralogische und petrographische Mittheilungen.
- National Geographic Magazine.
- Neues Jahrbuch für Mineralogie, Geologie und Paläontologie.
- Philadelphia Geographical Society Bulletin.
- Quarterly Journal of the Geological Society.
- \*U. S. Monthly Weather Review.
- \*University of Toronto Studies, Geological Series.

### *Mathematics, Chemistry, and Physics.*

- Acta Mathematica.
- American Chemical Journal.
- American Journal of Mathematics.
- Annalen der Chemie.
- Annalen der Physik.
- Annales de Chimie et de Physique.
- Annales Scientifiques de l'Ecole Normale Supérieure.
- Annali di Matematica.
- Astrophysical Journal.
- Beiblätter zu den Annalen der Physik.
- Berichte der deutschen chemischen Gesellschaft.
- Bibliotheca Mathematica.
- Bollettino di Bibliografia e Storia delle Scienze Matematiche.
- Bulletin de la Société Chimique de France.
- Bulletin de la Société Mathématique.
- Bulletin des Sciences Mathématiques.

- Bulletin of the American Mathematical Society.
- Cambridge Tracts in Mathematics.
- Chemical Abstracts.
- Chemisches Zentralblatt.
- Giornale di Matematiche.
- Jahrbuch über die Fortschritte der Mathematik.
- Jahresbericht der deutschen Mathematiker Vereinigung.
- Jahresbericht über die Fortschritte der Chemie.
- Journal de Mathématiques.
- Journal de Physique.
- Journal für die reine und angewandte Mathematik.
- Journal für praktische Chemie.
- Journal of the Chemical Society.
- Journal of Physical Chemistry.



Mathematische Annalen.  
 Messenger of Mathematics.  
 Monatshefte für Chemie.  
 Physical Review.  
 Physikalische Zeitschrift.  
 Proceedings of the London Mathematical Society.  
 Quarterly Journal of Mathematics.  
 Rendiconti del Circolo Matematico di Palermo.  
 Science Abstracts.  
 Transactions of the American Mathematical Society.

\*U. S. Bureau of Standards Bulletin.  
 \*University of Pennsylvania Publications, Astronomical Series.  
 \*University of Toronto Studies, Papers from the Chemical Laboratories.  
 \*University of Toronto Studies, Papers from the Physical Laboratories.  
 Zeitschrift für anorganische Chemie.  
 Zeitschrift für Elektrochemie.  
 Zeitschrift für Kolloidchemie.  
 Zeitschrift für Mathematik und Physik.  
 Zeitschrift für physikalische Chemie.

The library is open daily from eight A.M. to ten P.M. Books may be taken out by the students unless specially reserved for library reference use.

There are in Philadelphia the following important libraries which are available for students:

The *Philadelphia Library Company*, which contains about 235,000 volumes and 30,000 pamphlets, and is at all times open to the students for consultation. Private subscription, for four volumes, \$12 a year, or \$10 for nine months.

The *Mercantile Library*, which contains about 190,000 volumes and 10,000 pamphlets. Private subscription, \$5.00 a year for two separate works at a time.

The *Library of the Academy of Natural Sciences*, which contains about 68,000 volumes. The Council of the Academy has generously conceded the use of its library and of its museum to the students of Bryn Mawr College.

The *Library of the University of Pennsylvania*, which contains about 320,000 volumes and 50,000 pamphlets. The custodians of this library have always shown great courtesy in placing rare volumes at the disposal of the college.

The *Free Library of Philadelphia*, which contains about 375,000 volumes and 89,000 pamphlets, and is at all times open to the students for consultation.

The *American Philosophical Society Library*, which contains about 53,000 volumes, admission by card.

The *Historical Society of Pennsylvania Library*, which contains over 80,000 volumes, and 200,000 pamphlets, is for reference only. Every courtesy is extended to members of the college.

*Courses  
of  
Study.*

There are offered each year to undergraduates major courses of five hours a week, for two years, in the following subjects: Greek, Latin, English, German, French, Italian and Spanish, Comparative Literature, Modern History, Ancient History, Economics and Politics, Philosophy, Psychology, Classical Archæology, History of Art, Mathematics, Physics, Chemistry, Geology, and Biology; and elective courses in the above and in Biblical Literature, Experimental Psychology, and Education.

Graduate courses are offered in Sanskrit, and Indo-European Philology, Greek, Latin, English Philology including Anglo-Saxon, Early and Middle English, English Literature, German Literature, Gothic, Teutonic Philology, Old Norse, Old High German, Middle High German, Old Saxon, Modern and Old French, Italian, Spanish, and other Romance Languages, Comparative Literature, Hebrew, Aramaic, Assyrian, Biblical Literature, History, Economics and Politics, Philosophy, Psychology, Education, Classical Archæology, Mathematics, Physics, Chemistry, Physical Chemistry, Geology, Mineralogy, Palæontology, Morphology, Physiology, and Physiological Chemistry.

*Courses in  
Language  
and  
Literature.*

The courses in language and literature are meant, first of all, to be complete in themselves and extensive enough to meet the needs of special students, and secondly, to facilitate the study of comparative philology or of comparative literature. Whenever it has been practicable, as in Greek and Latin and in the modern languages, one half of the major course has been devoted to strictly linguistic studies, and the other half to the history of literature. The group work in English is constructed on this model, one half of the course being devoted to philology, and the other half to literary interpretation. Courses of parallel reading are required of all students of language and literature, precisely as laboratory work is required of the students of chemistry or biology; these courses are intended to acquaint the students with the works of numerous authors, and it is especially hoped that students of Greek and Latin will, by this means, accustom themselves to read these languages without assistance.

The courses in ancient and modern languages are of equal difficulty, and are placed on a footing of equality. The traditional

separation between ancient and modern languages has been disregarded, because, although strictly classical students may always be inclined to combine Greek and Latin, there is, nevertheless, no modern literature of which the study may not fitly be preceded, or supplemented, by the study of Latin or Greek.

Whenever possible, as in the courses in Greek, Latin, English, German, and French literature, in history, politics, philosophy, the history of art, mathematics, and science, the instruction is given by means of lectures. *Lectures.* It is the object of these lectures to give a clear and succinct statement of facts and principles; to enumerate and criticise with frankness hand-books, authorities, and editions; to bring the student's knowledge up to date, and to inform her, step by step, what things have been definitely ascertained and what things remain to be investigated. It is intended that the notes taken on these lectures, in addition to their immediate practical use, shall be of lasting value for reference, and be the starting-point, or at least the schedule, of studies to be undertaken at some future day. Every isolated student knows how difficult it is to be initiated into the modern scholastic movement otherwise than orally; therefore, in addition to the lectures, the several instructors appoint certain hours in which the students may consult them freely. The lectures are accompanied by class work, prescribed reading, and by frequent examinations; they are strictly special, not popular.

The Professors or Associates appointed are the recognised heads of their departments, and only such instructors have been chosen as are qualified to direct both graduate and undergraduate work.

The undergraduate and graduate courses offered in the years 1912-13 and 1913-14 are as follows: *Courses of Instruction.*

### Sanskrit, Greek, and Latin.

Professors and instructors: Dr. Arthur Leslie Wheeler, Dr. Henry Nevill Sanders, Dr. Wilmer Cave Wright, Dr. George A. Barton, Dr. Tenney Frank, Dr. James Fulton Ferguson, Miss Abby Kirk, Dr. Roland G. Kent, and Dr. Mary Hamilton Swindler.

Exceptional facilities for the study of all departments of classical philology are offered by the large classical library owned



by the college. The greater part of this library is formed by the well-known collection of the late Professor Hermann Sauppe, of Göttingen, which was acquired in 1894. This has been supplemented by purchases made by the college library, so that the classical library now numbers some seven thousand volumes, including complete sets of most of the important journals, and about seven thousand dissertations and monographs.

### Sanskrit and Comparative Philology.

The instruction in this department is under the direction of Dr. Roland G. Kent, Non-resident Lecturer in Sanskrit.

#### GRADUATE COURSES.

#### **Graduate Courses.**

Lectures on Comparative Philology and Philological Seminary.

*Two hours a week throughout the year.*

Students entering this course are expected to be familiar with German and French; a short preliminary course in Sanskrit is also of great aid to the student. The lectures on comparative philology treat of the connection of the Greek and Latin languages with the related languages of the Aryan group, first, phonetically, secondly, from the point of view of grammatical forms, and lastly, from the point of view of syntax. In the first part of the course, which covers what during the past years has been the field of the most active research, the student is introduced to the latest theories and discoveries in Aryan phonetics, and is expected to read and criticise the articles appearing from time to time in the philological journals, and to prepare reports on these articles. The same method is pursued during the investigation of the history of forms; and in the third part of the course the student begins the study of comparative syntax by a close comparison of the use of cases and verbal forms in Sanskrit, Greek, and Latin.

#### Elementary Sanskrit.

*Two hours a week throughout the year.*

Whitney's *Grammar* is used and the classical selections from Lanman's *Reader* are read, followed by rapid reading in some easy text of the classical literature. Exercises in Sanskrit prose composition are prepared by the student.

The courses in Comparative Philology and in Elementary Sanskrit will not, as a rule, be given in the same year.

#### Advanced Sanskrit.

*One hour a week throughout the year.*

Lectures are given on the phonology and morphology of Sanskrit. The study of Lanman's *Reader* is continued and Kālidāsa's *Śakuntalā*, Act I, is read.

### Greek.

The instruction in this department is under the direction of Dr. Henry Nevill Sanders, Professor of Greek; Dr. Wilmer Cave Wright, Associate Professor of Greek; Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Miss Abby Kirk, Reader in Elementary Greek. The instruction offered in Classical Greek covers twenty-six hours of lectures and recitations a week apart from courses in Classical

Archæology and New Testament Greek; it includes five hours a week of Matriculation Greek; ten hours a week of undergraduate major and minor work; five hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in Greek; and six hours a week of graduate work.

A course of five hours a week throughout the year is provided for those students that wish to study Greek, and whose examination for matriculation did not include it. Grammar and Composition are studied. Xenophon's *Anabasis* or *Memorabilia* and selections from Homer are read. Students may substitute for this course the minor, or first year's course in Latin. Either the matriculation course in Greek or the minor course in Latin is required of all candidates for the degree of Bachelor of Arts that have not passed the matriculation examination in Greek. This course is given by Miss Kirk under the direction of Dr. Wright.

**Matriculation Course.**

#### FIRST YEAR.

(*Minor Course.*)

##### 1st Semester.

(*Given in each year.*)

Plato, *Phædo*, and Greek Prose Composition, Dr. Sanders. *Two hours a week.*

Sophocles, *Antigone*, Dr. Sanders. *One hour a week.*

Homer, *Odyssey*, Dr. Wright. *Two hours a week.*

(May be taken as a free elective.)

**Major Course.**

The Greek courses may not be offered for examination for advanced standing without class attendance.

Private reading: Euripides, *Alcestis*, ll. 1 to end must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 1-475 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 1-728 must be read by students taking the courses in Plato and in Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

##### 2nd Semester.

Herodotus and Greek Prose Composition, Dr. Sanders. *Two hours a week.*

Euripides, *Medea*, Dr. Sanders. *One hour a week.*

Homer, *Iliad*, Dr. Wright. *Two hours a week.*

(May be taken as a free elective.)

The Greek courses may not be offered for examination for advanced standing without class attendance.

Private reading: Sophocles, *Philoctetes*, ll. 1-1080 and 1218-1313 must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 476-961 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 729 to end must be read by students taking the courses in Euripides and Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

## SECOND YEAR.

## 1st Semester.

(Given in each year.)

Demosthenes, Dr. Sanders.

Two hours a week.

In and after the year 1914-15 work in Greek prose composition will be given in connection with this course.

Aristophanes, *Birds*, Dr. Sanders.

One hour a week.

History of Greek Literature, Ionio-Dorian, and Attic periods, Dr. Wright.

Two hours a week.

No student is admitted to any part of the major course in Greek who has not completed all the work of the minor course.

Private reading: *Æschylus, Prometheus Vincius*, ll. 1 to end must be read by students taking the five-hour course; *Æschylus, Persæ*, ll. 1-680 must be read by students taking the courses in Demosthenes and Aristophanes, omitting the course in Greek literature; *Æschylus, Prometheus Vincius*, ll. 1-436 must be read by students taking the course in Greek literature, omitting the courses in Demosthenes and Aristophanes. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

## 2nd Semester.

Thucydides, Dr. Sanders.

Two hours a week.

In and after the year 1914-15 work in Greek prose composition will be given in connection with this course.

Sophocles, *Ædipus Rex*, Dr. Sanders.

One hour a week.

History of Greek Literature, Attic, Alexandrine, and Græco-Roman periods, Dr. Wright.

Two hours a week.

No student is admitted to any part of the major course in Greek who has not completed all the work of the minor course.

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also. The lectures on Demosthenes and Thucydides and the one-hour courses in Aristophanes and Sophocles may not be elected separately.

Private reading: *Æschylus, Persæ*, ll. 1 to end must be read by students taking the five-hour course; *Æschylus, Persæ*, ll. 681 to end must be read by students taking the courses in Thucydides and Sophocles, omitting the course in Greek literature; *Æschylus, Prometheus Vincius*, ll. 437-876 must be read by students taking the course in Greek literature, omitting the courses in Thucydides and Sophocles. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

*Group:* Greek with any language, or with Philosophy, or with Philosophy and Psychology, or with Psychology, or with Ancient History, or with Classical Archæology, or with Mathematics.

## FREE ELECTIVE COURSES.

**Free  
Elective  
Courses.**

Minor courses, amounting to ten hours a week which may be taken as free electives, are offered in Classical Archæology and Ancient History. See pages 136 to 138 and 156.

## POST-MAJOR COURSES.

**Post-  
Major  
Courses.**

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.



No student that has not completed the minor and major courses in Greek is admitted to any post-major course in Greek.

In 1912-13 the following post-major courses are offered:

*1st Semester.*

|   |                          |
|---|--------------------------|
| Æschylus, <i>Oresteia</i> , Dr. Sanders.                        | <i>Two hours a week.</i> |
| Aristophanes, <i>Acharnians</i> , <i>Knights</i> , Dr. Sanders. | <i>One hour a week.</i>  |
| Æschylus, <i>Agamemnon</i> , Dr. Wright.                        | <i>Two hours a week.</i> |

*2nd Semester.*

|   |                          |
|---|--------------------------|
| Pindar and Bacchylides, Dr. Sanders.                                  | <i>Two hours a week.</i> |
| Sophocles, <i>Electra</i> or Euripides, <i>Electra</i> , Dr. Sanders. | <i>One hour a week.</i>  |
| Theocritus, Dr. Wright.   | <i>Two hours a week.</i> |

In 1913-14 the following post-major courses are offered:

*1st Semester.*

|   |                          |
|---|--------------------------|
| Minor Orations of the Attic Orators, Dr. Sanders.                   | <i>Two hours a week.</i> |
| Sophocles, <i>Antigone</i> or <i>Ædipus Tyrannus</i> , Dr. Sanders. | <i>One hour a week.</i>  |
| Melic Poets, Dr. Wright.  | <i>Two hours a week.</i> |

*2nd Semester.*

|  |                          |
|--|--------------------------|
| Æschylus, <i>Agamemnon</i> , or Thucydides, Dr. Sanders. | <i>Two hours a week.</i> |
| Greek Prose Composition, Dr. Sanders.                    | <i>One hour a week.</i>  |
| Plato, <i>Republic</i> , Dr. Wright.                     | <i>Two hours a week.</i> |

In 1914-15 the following post-major courses are offered:

*1st Semester.*

|   |                          |
|---|--------------------------|
| Sophocles, <i>Trachiniæ</i> and Euripides, <i>Heracles</i> , Dr. Sanders. | <i>Two hours a week.</i> |
| Herodotus, Dr. Sanders.   | <i>One hour a week.</i>  |
| Theocritus, Dr. Wright.   | <i>Two hours a week.</i> |

*2nd Semester.*

|  |                          |
|--|--------------------------|
| Greek Prose Composition, Dr. Sanders.                                  | <i>One hour a week.</i>  |
| Greek Rhetoricians or Fragments of Authors in the Papyri, Dr. Sanders. | <i>One hour a week.</i>  |
| Euripides, <i>Bacchæ</i> , Dr. Sanders.                                | <i>One hour a week.</i>  |
| Æschylus, <i>Septem</i> , Dr. Wright.                                  | <i>Two hours a week.</i> |

GRADUATE COURSES.

Six hours a week of seminary work are offered each year to graduate students of Greek, accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduates.

**Graduate  
Courses.**

The seminary subjects in Greek are varied from year to year in two series; Attic Tragedy, Orators, and Historians, and the Homeric Question, Plato, and Aristophanes, in order that they may be pursued by a student for several consecutive years. Students electing Greek as part of the work for the degree of Doctor of Philosophy are required to offer with each three hour seminary a two hour seminary and vice versa, so as to make up five hours of seminary work, but both seminaries need not be taken in the same year. Three five hour courses are required of students who offer Greek as a major subject in the examination for the degree of Doctor of Philosophy; two five hour courses are required when Greek is the only minor subject offered, and one five hour course when two minors are offered. A large part of the work expected of graduate students consists of courses of reading pursued under the direction of the department; and reports of this reading are from time to time required of the students. A reading knowledge of French and German is required. The course in comparative philology is recommended to graduate students of Greek. For graduate courses in Classical Archaeology, which may be offered as a minor by students taking Greek as a subject for the degree of Doctor of Philosophy, see page 158.

Greek Seminary, Dr. Sanders.

*Three hours a week throughout the year.*

*(Given in each year.)*

In 1912-13 Greek orators are studied in the seminary. The work consists of the reading of large portions of all the orators and the critical interpretation of a selected part of each. Lectures are given on legal antiquities, the syntax, and the style of the various authors, in conjunction with which Dionysius of Halicarnassus and the Greek Rhetoricians are studied. The later rhetoricians are treated and their criticism of antiquity investigated. Students are expected to provide themselves with the Teubner text editions of Antiphon, Andocides, Lysias, Isocrates, Isæus, Æschines, Hypereides, and Demosthenes. The classical library is well equipped with works on the orators.

In 1913-14 the main subject of the seminary will be the Greek Historians. Thucydides is studied in detail and reports are made on data of history contained in Greek literature in general. Lectures are given by the instructor on subjects connected with Greek historiography, such as the composition of Thucydides's history, the syntax and style of Thucydides, the history of early prose, Greek historical inscriptions.

In 1914-15 the subject of the seminary will be Attic Tragedy. The work of the seminary in textual criticism is devoted to the editing of Euripides's *Orestes*, while the special work is devoted to the plays bearing on the Orestes myth. Members of the seminary report on assigned subjects and give critical summaries of current classical literature.

Greek Seminary, Dr. Wright.

*Two hours a week throughout the year.*

*(Given in each year.)*

In 1912-13 the subject of the seminary in the first semester is Menander. A thorough study of all the extant fragments of Menander is made with reports by the students on Menander's style, metres, text, and influence on Latin Comedy. The recent discovery of considerable remains of Menander's Comedies and the publication of the Cairo Menander (1907) have provided sufficient material to make such a course profitable to students of the Greek drama.

In the second semester the subject of the seminary is the Homeric Question, and the work consists of a review of the discussions of the Homeric poems since the publication of Wolf's *Prolegomena*. The various tests that have been applied to the poems by archæologists, linguists, historians of myths, and æsthetic critics are taken up and criticised in detail.

In 1913-14 the subject of the seminary will be Aristophanes. The aim of the seminary is to make the students familiar with the more important Aristophanic literature up to the present day. Portions of the text are interpreted by the class and reports on assigned topics, literary, historical, and archaeological, connected with the plays are expected from all the members. All the comedies of Aristophanes are read in the course of the year; lectures are given by the instructor on the metres and syntax of Aristophanes, on the dramatic structure of the plays and on the history of Attic comedy. Part of the work consists of analyses of Latin and German dissertations on Aristophanes which are presented by members of the class. Every member of the class should provide herself in advance with a complete text of Aristophanes. The Teubner (Leipsic) or Clarendon Press (Oxford) editions are recommended.

In 1914-15 the seminary will be in Plato. The work is mainly literary and critical. Lectures on the style, philosophy, and chronology of the dialogues are given by the instructor; a detailed interpretation of a portion of Plato, and reports on topics set for discussion are given by the class. The students are expected to read the *Republic*, *Theatetus*, *Parmenides*, and *Sophist* and discuss certain problems arising from these dialogues. The aim of the course is to lay a foundation for independent work by familiarising the students with the achievements of German scholarship and the general field of Platonic literature up to the present day. Analyses of German and Latin dissertations are expected from the class. Lutoslawski's *Origin and Growth of Plato's Logic* will be studied and criticised in detail. Every member of the seminary should provide herself in advance with a complete text of Plato. The Teubner (Leipsic) or Clarendon Press (Oxford) editions are recommended.

In 1915-16 the Homeric Question will be the subject of the seminary throughout the year.

Greek Journal Club, Dr. Sanders and Dr. Wright.

*One and a half hours once a fortnight throughout the year.*

The instructors and the advanced students meet to report on and discuss recent articles and books.

## Latin.

The instruction in this department is under the direction of Dr. Arthur Leslie Wheeler, Professor of Latin, Dr. Tenney Frank, Professor of Latin, Dr. James Fulton Ferguson, Associate in Ancient History and Latin, and Dr. Mary Hamilton Swindler, Reader in Latin. The instruction offered in Latin covers twenty-three hours of lectures and recitations a week, and includes ten hours a week of undergraduate major and minor work; one hour a week of free elective, six hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in Latin; and six hours a week of graduate work.

### FIRST YEAR.

(Minor Course.)\*

#### 1st Semester.

(Given in each year.)

Cicero, *Letters*, Dr. Wheeler, Dr. Ferguson, and Dr. Swindler.

*Two hours a week.*

**Major  
Course.**

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\* For regulations regarding the passing off of the Minor Latin, see footnote, page 53. Students passing off the Minor Latin course for advanced standing are not required to take the separate examinations in private reading.



The class is divided into three sections which are assigned to each instructor in turn for a third of the year.

Horace, *Odes*, Dr. Frank, Dr. Ferguson, and Dr. Swindler.

*Two hours a week.*

(May be taken as a free elective.)

The class is divided into three sections which are assigned to each instructor in turn for a third of the year.

Private reading: Sallust's *Catilina* must be read during the first semester by students taking the five hour course. Students taking the course in Horace only must read one half of the *Catilina* in each semester, while those taking the three hour course in Cicero only read one half of the *Stories* from Gellius in each semester. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

## 2nd Semester.

Terence, *Phormio*, *Adelphoe*, and *Andria*, Dr. Wheeler, Dr. Ferguson, and Dr. Swindler.

*Three hours a week.*

Horace, *Selections from the Satires and Epistles* and Vergil, *Eclogues*, Dr. Frank, Dr. Ferguson, and Dr. Swindler.

*Two hours a week.*

(May be taken as a free elective.)

Private reading: *Stories* from Gellius must be read by students taking the five hour course. *Stories* from Gellius (second half) must be read by students taking the course in Terence only. Sallust, *Catilina* (second half) must be read by students taking the course in Horace only. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

## SECOND YEAR.

### 1st Semester.

(Given in each year.)

Tacitus, *Annals*, Dr. Wheeler.

*Three hours a week.*

The reading is devoted chiefly to those parts of *Books i-vi* bearing on the character of Tiberius, a study of which forms one of the main objects of the course. Other important topics are Tacitus's method as a historian, his style as a writer, the peculiarities of "Silver" Latin, etc. Several lectures are given on these and other subjects.

No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

Lectures on Latin Literature, Dr. Frank.

*Two hours a week.*

The lectures in this course treat the history of Latin Literature from its earliest beginnings down to the end of the second century of the Christian era, including all the authors from whose writings any important remains have been preserved. The libraries in each hall contain texts of the most important authors and extensive reading is required.

Private reading: Cicero, *De Senectute* must be read by students taking the five hour course; Tacitus, *Agricola* (first half) must be read by students taking the course in Tacitus only; Cicero, *De Senectute* (first half) must be read by students taking the course in Latin Literature only. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

*2nd Semester.*

Latin Comedy, Plautus, Dr. Wheeler.

*Three hours a week.*

The origin, development, and characteristics of Roman comedy are studied. Much attention is devoted to the peculiarities of archaic and colloquial Latin and to the reading of the simpler metres. Such topics as the theatre, stage, and actors receive special treatment in lectures. Three or four plays are read in class.

Lectures on Latin Literature (continued), Dr. Frank. *Two hours a week.*

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also.

No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

Private reading: Tacitus, *Agricola* must be read by students taking the five hour course; Tacitus, *Agricola* (second half) must be read by students taking the course in Latin Comedy; Cicero, *De Senectute* (second half) must be read by students taking the course in Latin Literature only. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

*Group:* Latin with any language, *or* with Philosophy, *or* with Classical Archæology, *or* with Ancient History, *or* with Mathematics.

#### FREE ELECTIVE COURSE.

Lectures on Roman Life, Dr. Frank.

*One hour a week throughout the year.*

An attempt is made to describe briefly Roman social and economic conditions, as well as the development of religious beliefs and institutions.

*Free  
Elective  
Course.*

#### POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. No student that has not completed the minor and major courses in Latin is admitted to any post-major course in Latin.

*Post-  
Major  
Courses.*

In 1912-13 and again in 1914-15 the following post-major courses are offered:

*1st Semester.*

Roman Elegy, Dr. Wheeler.

*Two hours a week.*

An effort is made to trace historically the development of this branch of poetry among the Romans. Selections from Catullus, Tibullus, Propertius, and Ovid are read and the readings are supplemented by occasional lectures. Special attention is devoted to the structure and reading of the elegiac distich and to the characteristics of Roman poetic diction. Each student is required to prepare papers on assigned topics in each semester.

The Life and Works of Vergil, Dr. Frank.

*Three hours a week.*

The larger part of the *Æneid*, two books of the *Georgics* and some of the minor poems are read and discussed.

Advanced Latin Prose Composition, Dr. Frank.

*One hour a week.*

*2nd Semester.*

Roman Elegy (continued), Dr. Wheeler.

*Two hours a week.*

Roman Prose of the Empire, Dr. Frank.

*Three hours a week.*

Selections from Velleius, Seneca, Quintilian, Tacitus, Suetonius, Apuleius and Minucius Felix are read.

Advanced Latin Prose Composition (continued), Dr. Frank.

*One hour a week.*

In 1913-14 and again in 1915-16 the following post-major courses are offered:

*1st Semester.*

Roman Satire, Dr. Wheeler.

*Two hours a week.*

The subject is treated historically in order to give an outline of the origin and development of Satire. The class reads selections from Horace, Persius, Seneca, Petronius, and Juvenal, together with some of the fragments of Ennius, Lucilius, and Varro. The readings are supplemented by occasional lectures. Each student is required to prepare at least one paper on an assigned topic in each semester.

Lucretius and Catullus, Dr. Frank.

*Three hours a week.*

Selections from the *De Rerum Natura* and from the Lyrics of Catullus are read.

Advanced Latin Prose Composition, Dr. Frank.

*One hour a week.*

*2nd Semester.*

Roman Satire (continued), Dr. Wheeler.

*Two hours a week.*

Cicero and Cæsar, Dr. Frank.

*Three hours a week.*

An effort is made by means of lectures, discussions, and extensive reading to gain an intimate acquaintance with the literary work and the political careers of Cicero and Cæsar.

Advanced Latin Prose Composition (continued), Dr. Frank.

*One hour a week.*

## GRADUATE COURSES.

**Graduate Courses.** Six hours a week of seminary work are offered each year to graduate students of Latin accompanied by the direction of private reading and original research. The books needed by graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to six hours a week may be elected by graduates.

The graduate work in Latin is conducted according to the seminary method and is intended not only to broaden the student's knowledge, but also to teach methods of work. The graduate courses in Latin are varied from year to year in two series, Roman Comedy, Lyric Poetry and Elegy, and Roman History, Epigraphy, and Literature or Syntax. Students electing Latin as part of the work for the degree of Doctor of Philosophy are required to offer with each three hour seminary a two hour seminary and vice versa, so as to make up five hours of seminary work, but both seminaries need not be taken in the same year. Such students are recom-



mended to attend the Journal Club. Three five hour courses are required of students who offer Latin as a major subject in the examination for the degree of Doctor of Philosophy; two five hour courses are required when Latin is the only minor subject offered and one five hour course when two minors are offered. It is desirable that all students who intend to do advanced work in Latin should have some knowledge of Greek. A reading knowledge of French and German is also necessary.

Latin Seminary, Dr. Wheeler.

*Three hours a week throughout the year.*

*(Given in each year.)*

In 1912-13 the subject of the seminary is Latin Comedy. All the plays of Plautus and Terence are read by the students; single plays form the basis of special work on the language, text, metres, etc.

Students should provide themselves with the text edition of Plautus, edited by W. M. Lindsay, Oxford, 1903-04, and with Dziatzko's text of Terence, Leipsic, Tauchnitz, 1884. The plays of Plautus, annotated by Brix, Leipsic, Teubner, 1888-1901, and by Lorenz, Berlin, Weidmann, 1876-86, and the plays of Terence, annotated by Dziatzko (revised by Hauler), 1898 and 1903 (Teubner), and by Spengel, 1879 and 1905, Weidmann, are also recommended. *P. Terenti Afri Commædiæ*, edited by S. G. Ashmore, Oxford University Press, New York, 1908, is a convenient commentary.

In 1913-14 the subject of the seminary will be the Roman Lyric in the Period of the Republic. After a rapid survey of the fragmentary lyric remains of the predecessors and contemporaries of Catullus, the poems of Catullus himself are studied in detail. Students should have *Catulli carmina* (Oxford text, 1904), edited by Robinson Ellis, and either the same scholar's *Commentary on Catullus*, Oxford, Clarendon Press, 1889 (second edition), or G. Friedrich's *Catulli Veronensis liber*, Leipsic and Berlin, 1908 (Teubner).

In 1914-15 Roman Elegy as represented by Tibullus, Propertius, and Ovid will be the subject of the seminary. In addition to a careful study of selected poems an effort is made to trace the history of elegy among the Romans. The various topics connected with the subject are treated in detail as far as time permits, and the students are encouraged to familiarise themselves with the best literature in editions, periodicals, and dissertations. The texts recommended are the Oxford Clarendon Press editions of Catullus and Tibullus, edited by Ellis and Postgate, and the Leipsic (Teubner) text of Propertius, edited by C. Hosius, 1911.

Latin Seminary, Dr. Frank.

*Two hours a week throughout the year.*

*(Given in each year.)*

In 1912-13 Cicero's correspondence is the subject of the seminary. An effort is made to master typical textual and linguistic problems presented by this text, and more especially to extend the student's acquaintance with the Roman civilisation of Cicero's day.

In 1913-14 the work of the seminary will be Latin Epigraphy and Palæography. About two-thirds of the course is devoted to the study of the *Corpus Inscriptionum*. The questions assigned for investigation deal mainly with Roman political institutions, public and private life, and with historical grammar. Dessau's *Inscriptiones Latinae Selectae* is used in the class room. The paleographical facsimiles of Chatelain, Zangemeister and Wattenbach, and Arndt form the basis for work in the latter part of the course.

In 1914-15 selected topics in Roman Literature will be studied. The work consists of studies in the beginnings of the Roman epic, tragedy, and prose. The students read reports on special subjects assigned to them. A study of Latin Syntax may be substituted.

Latin Journal Club, Dr. Wheeler and Dr. Frank.

*One and a half hours once a fortnight throughout the year.*

The instructors and the advanced students meet to report on and discuss recent articles and books.

## MODERN LANGUAGES.

Professors and instructors: Dr. M. Carey Thomas, Dr. Fonger DeHaan, Dr. Albert Schinz, Miss Lucy Martin Donnelly, Dr. Karl Detlev Jessen, Dr. Carleton Fairchild Brown, Dr. Richard Thayer Holbrook, Dr. Orie Latham Hatcher, Dr. Alfred Horatio Upham, Dr. Agathe Lasch, Mr. Samuel Arthur King, Dr. Regina Katharine Crandall, M. Louis Cons, Miss Georgiana Goddard King, Miss Mary Jeffers,\* Miss Edna Aston Shearer, Miss E. Beatrice Daw, Dr. Helen Estabrook Sandison, Dr. Ida Langdon, Miss Marie Hopp, Miss Bertha Sophie Ehlers, Miss Marion Delia Crane, Miss Christine Potts Hammer, and Miss Maud Temple (elect).

## English.

The instruction in this department is under the direction of Dr. M. Carey Thomas, Professor of English, Miss Lucy Martin Donnelly, Professor of English, Dr. Carleton Fairchild Brown, Professor of English Philology, Dr. Orie Latham Hatcher, Associate Professor of Comparative Literature and Elizabethan Literature, Dr. Alfred Horatio Upham, Associate Professor of English Literature, Dr. Regina Katharine Crandall, Director of English Essay Work and Reader in English, Mr. Samuel Arthur King, Non-resident Lecturer in English Diction, Miss Georgiana Goddard King, Lecturer in the History of Modern Art and Comparative Literature, Miss Edna Aston Shearer, Miss E. Beatrice Daw, Dr. Helen Estabrook Sandison, Miss Marion Delia Crane, Dr. Ida Langdon, and Miss Christine Potts Hammer, Readers in English, and Miss Maud Temple, Reader (elect) in English. The instruction offered in English covers forty-four hours of lectures and recitations a week, and includes two years of lectures on literature and language required of every candidate for the Bachelor's degree; two years of Minor and Major English, which presuppose as much information as is contained in the required course, and may be elected in combination with the major course in any other language, or with comparative literature, or with Philosophy, or with Philosophy and Psychology, or as a free elective; six hours a week of free elective work;

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\* Granted leave of absence for the year 1912-13.

one hour a week of elective courses in English diction, and graduate courses in English literature, Anglo-Saxon, and Early and Middle English, and Elizabethan Literature.

The required course consists of lectures on literature and language, in which the history of English literature is regarded as far as possible from the point of view of European literature generally; a study of the principles of English composition with constant practice in writing; and courses of private reading, which are meant to familiarise the student with English authors. The instruction in English composition is given in three ways: in introductory lectures, in written corrections on papers written by the students, and in conferences between the instructors and students. The course in English composition and rhetoric is connected with the lectures on literature and language and may not be elected separately.

*Required Course.*

#### FIRST YEAR.

##### *1st Semester.*

*(Given in each year.)*

Lectures on the history of the English language and Anglo-Saxon literature, with an introduction into the study of early Teutonic literature and mythology, Miss Donnelly.

*Two and a half hours a week.*

The Principles of Articulation, Mr. King.

*One hour a fortnight.*

This course deals with a system of oral gymnastics, by which a distinct, firm, and fluent articulation can be acquired. The means of instruction for improving the quality of the speaking voice, and for acquiring a correct production, are pointed out. Special attention is paid to the cure of nasality and other vicious habits of speaking. The common errors of articulation and the vulgarisms constantly heard in every-day speech are clearly defined. A special class will be formed to assist those students whose defects of articulation are so marked as to make it difficult for them to work with the other members of the class.

English Composition and Rhetoric, Miss Donnelly, Dr. Crandall, Miss Shearer, Miss Daw, Dr. Sandison, Dr. Langdon, Miss Hammer.

*Two hours a week.*

The lectures on the history of the English language and the course in English composition and rhetoric may not be elected separately. The work in English composition consists of short papers each week on subjects drawn from the student's personal experience, and longer papers on subjects drawn from the lectures on the history of the English language and literature and from assigned reading. In the rhetoric course the principles of English composition are studied and their practice is taught in the papers written by the students. A written examination is held on the work in English composition and rhetoric at the end of the semester. Written examinations on the lectures are held from time to time during the semester and credit is given for the style and structure of the papers.

##### *2nd Semester.*

Lectures on the history of English literature to the death of Spenser, inclusive, with an introduction into the study of mediæval literature, Miss Donnelly.

*Two and a half hours a week.*

The Principles of Articulation (continued), Mr. King.

*One hour a fortnight.*

English Composition and Rhetoric, Miss Donnelly, Dr. Crandall, Miss Shearer, Miss Daw, Dr. Sandison, Dr. Langdon, Miss Hammer.

*Two hours a week.*



The lectures on the history of English literature and the course in English composition and rhetoric may not be elected separately. The plan of work of the first semester is continued. In the rhetoric course the principles of English composition are studied throughout the semester and their practice is taught in the papers written by the students. A written examination on the work in English composition and rhetoric is held at the end of each semester. Written examinations on the lectures on the history of English literature are held from time to time during the semester and credit is given for the style and structure of the papers.

#### SECOND YEAR.

##### 1st Semester.

(Given in each year.)

Lectures on the history of English literature from the death of Spenser to the Restoration, inclusive, with a short account of the influences of the contemporary continental literatures, Miss Donnelly.

*Two and a half hours a week.*

The Sonant Properties of Speech, Mr. King.

*One hour a fortnight.*

This course consists of a detailed study of the principles of inflection, pitch, and rhythm, together with special treatment of emphasis and rules on pausing. Students are required from time to time to read aloud in order that individual faults may be corrected.

English Composition, Miss Donnelly, Dr. Crandall, Miss Shearer, Miss Daw, Dr. Sandison, Dr. Langdon, Miss Hammer.

*Two hours a week.*

The lectures on the history of English literature and the course in English composition may not be elected separately. The course in English composition consists of one short paper each fortnight on a subject drawn from the student's personal experience, one argumentative paper, and one critical paper on a subject drawn from the lectures on the history of English literature. A written examination on the work in English composition is held at the end of each semester. Written examinations on the lectures on the history of English literature are held from time to time during the semester and at the end of each semester and credit is given for the style and structure of the papers.

##### 2nd Semester.

Lectures on the history of English literature from the Restoration to the present time, Miss Donnelly.

*Two and a half hours a week.*

The Sonant Properties of Speech (continued), Mr. King.

*One hour a fortnight.*

English Composition, Miss Donnelly, Dr. Crandall, Miss Shearer, Miss Daw, Dr. Sandison, Dr. Langdon, Miss Hammer.

*Two hours a week.*

The lectures on the history of English literature and the course in English composition may not be elected separately. The work of the semester in English composition consists of one short paper each fortnight on a subject drawn from the student's personal experience, one twenty-four page critical paper on an author chosen by the student with the approval of her instructor, a narrative, and two shorter so-called imitative papers during the writing of which the principles of imitative writing are discussed in the lectures. A written examination is held on the work at the end of each semester. Written examinations on the lectures on the history of English literature are held from time to time during the semester and at the end of each semester and credit is given for the style and structure of the papers.

#### Major Course.

The major course in English differs slightly from the other major courses of the college, in that it must always have been preceded by two years' study of English in the required undergraduate courses, and is intended for graduate students or for those undergraduate students who are anxious to

specialise in English. Any of the courses, except the courses in English Drama, in the Essay and Novel in the Eighteenth Century, and in Middle English Poetry and Chaucer, may be taken separately as free electives by students that have completed the required course. Students wishing to specialise in language may substitute the course in Middle English Romances or the courses in Middle English Poetry and Chaucer for the course in the Essay and Novel in the Eighteenth Century, and the course in Anglo-Saxon or Shakespeare for either the course in English Poets of the Romantic Movement or the course in English Drama, but all students taking a major course in English must take either the course in Anglo-Saxon or the course in Middle English Romances, or the courses in Middle English Poetry and Chaucer.

#### FIRST YEAR.

##### *Minor Course. (Literature.)*

English Critics of the Nineteenth Century, Dr. Upham.

*Three hours a week throughout the year.*

*(Given in each year.)*

Certain English essayists of the nineteenth century are studied with particular regard to their theories of criticism. In the first semester the authors usually chosen are Carlyle, Newman, and Matthew Arnold; in the second semester Ruskin, Pater, and Swinburne are discussed. Occasional short reports and one long paper in each semester must be prepared by the students attending the course.

English Poets of the Romantic Movement, Miss Donnelly.

*Two hours a week throughout the year.*

*(Given in 1912-13 and again in 1914-15.)*

The poets studied in this course are Wordsworth, Coleridge, and Shelley in the first semester and in the second, Byron, Keats, and Landor. Their works are discussed in class in connection with questions of poetics and literary theory and reports and essays are required from students attending the course.

##### *Minor Course. (Language.)*

Anglo-Saxon, Dr. Brown.

*Two hours a week throughout the year.*

*(Given in 1912-13 and again in 1914-15.)*

An outline of Anglo-Saxon grammar and reading of the prose selections in Bright's *Anglo-Saxon Reader*. In the second semester *Beowulf* is taken up and the first two-thirds of the poem is read with the class.

Shakespeare, Dr. Brown.

*Two hours a week throughout the year.*

*(Given in 1913-14 and again in 1915-16.)*

Lectures on Shakespeare's dramatic development and a critical reading of selected plays.

Middle English Romances, Dr. Brown. *Three hours a week throughout the year.*

*(Given in 1912-13 and again in 1914-15.)*

Selected romances are read by the members of the class. The lectures treat the development of romance literature in English with special reference to the romances of Germanic origin and the Arthurian cycle. The course in the Essay and Novel in the Eighteenth Century or the courses in Middle English Poetry and Chaucer may be substituted for this course if desired.

## SECOND YEAR.

## (Literature.)

## The Essay and Novel in the Eighteenth Century, Dr. Upham.

*Three hours a week throughout the year.**(Given in each year.)*

In the first semester a preliminary consideration of the rise of the English essay and other literary forms contributory to the novel is followed by a special study of the *Tatler*, *Spectator*, and *Examiner*, of representative picaresque and satirical fiction, and of selected works of Richardson and Fielding. The second semester considers the essay and novel as expressive of eighteenth century life and thought, emphasising the growth of the critical and political essay, and of the larger categories of fiction: novel of manners, novel of character, *doctrinaire* novel, romantic novel, etc. Treatment of technique is continued throughout. The course in Middle English Romances or the courses in Middle English Poetry and Chaucer may be substituted for this course if desired.

## English Drama, Miss Donnelly.

*Two hours a week throughout the year.**(Given in 1913-14 and again in 1915-16.)*

This course is intended to give students that have completed the required course in English a more intimate knowledge of the late Elizabethan and the Stuart drama. The lectures follow the development of the realistic and romantic tendencies in the comedy and tragedy of the period both as an expression of the national life and of the individual genius of the various dramatists. Selected plays of Shakespeare, Middleton, Ben Jonson, Beaumont and Fletcher, and other dramatists are read in connection with the lectures. This course is open only to those students who are taking the English group. The course in English Poets of the Romantic Movement or the course in Anglo-Saxon or Shakespeare may be substituted for this course if desired.

## (Language.)

Middle English Poetry, Dr. Brown. *Three hours a week during the first semester.**(Given in 1913-14 and again in 1915-16.)*

The purpose of the course is to give the student a direct acquaintance with some of the more important pieces of Middle English verse. Selections are read from Layamon's *Brut*, Robert of Gloucester's *Chronicle*, Laurence Minot, Robert of Brunne's *Handlyng Synne*, and Langland's *Vision of Piers Plowman*. *The Owl and the Nightingale* and *Pearl* will be read in full. In connection with the reading of these texts lectures are given on the development of the language and literature during the Middle English period. The course is designed as an introduction to the course on Chaucer given in the second semester but may be taken independently. This course is open only to those students who are taking or have taken at least one other course in English in addition to the required courses. The course in the Essay and Novel in the Eighteenth Century or the course in Middle English Romances may be substituted for this course and the course on Chaucer if desired.

## Chaucer, Dr. Brown.

*Three hours a week during the second semester.**(Given in 1913-14 and again in 1915-16.)*

In this course the best of the *Canterbury Tales* are studied, also the *Legend of Good Women*, *The House of Fame*, and portions of *Troilus and Criseyde*. The lectures discuss Chaucer's sources and literary art, and his relation to the English, French, and Italian literature of his time. It is desirable that this course should be preceded by the course in Middle English Poetry. This course is open only to those students who are taking at least one other course in English in addition to the required courses. The course in the Essay and Novel in the Eighteenth Century or the course in Middle English Romances may be substituted for this course if desired.

*Group:* English with any language, or English with Comparative Literature, or English with Philosophy, or English with Philosophy and Psychology.



## FREE ELECTIVE COURSES.

Daily Themes, Dr. Crandall.

*Two hours a week during the first semester.**(Given in each year.)***Free  
Elective  
Courses.**

Short papers on subjects chosen by the students themselves are required from each student and discussed in the class.

Narrative Writing, Dr. Crandall.

*Two hours a week during the second semester.**(Given in each year.)*

The style and methods of the best modern writers of short stories, both English and French, are treated in this course. The course is open to students under the same conditions as the course in Descriptive Writing.

Argumentation, Miss Shearer.

*Two hours a week throughout the year.**(Given in each year.)*

In the first semester the course takes up the technique of Argumentation, and in the second semester establishes the relation between the laws of thought emphasised in the first semester and the ordinary forms of prose composition. The course is open to students who have obtained the grade of merit in two semesters, or of credit in one semester of the required course in English Composition, but no student may take this course at the same time that she is taking another course in English Composition.

Theory and Practice of Verse Composition, Miss King.

*Two hours a week during the second semester.**(Given in 1912-13 and again in 1913-14.)*

This course is not historical but theoretical and practical. The lectures deal with the theory of poetry, the difference between poetry and prose and the laws of verse in English. Students are required to write short exercises in verse every week. The course is open to students who have obtained the grade of merit in two semesters or of credit in one semester of the required course in English Composition, but no student may take this course at the same time that she is taking another course in English Composition. In 1912-13 this course was given two hours a week throughout the year.

Descriptive Writing, Miss Donnelly.

*Two hours a week during the first semester.**(Given in each year.)*

This course consists of lectures on the theory and practice of description. The course is open to students who have obtained the grade of merit in two semesters or of credit in one semester of the required course in English Composition, but no student may take this course at the same time that she is taking another course in English Composition.

Literary Portraits, A Study of Boileau and Dryden, Miss Temple.

*Two hours a week during the second semester.**(Given in 1913-14.)*

In this course the students will be required to write a number of papers and reports.

General Reading of Prose Authors, Mr. King.

*One hour a week throughout the year.**(Given in 1912-13 and again in 1914-15.)*

This course is open only to those students who have attended the lectures in English diction given in the general course.

## Reading of Shakespeare, Mr. King.

*One hour a week throughout the year.**(Given in 1913-14 and again in 1915-16.)*

This course is open only to those students who have attended the lectures in English diction given in the general course. A special study is made of the principles of correct delivery of blank verse. The needs of those students who expect to teach English literature and desire to read Shakespeare to their pupils are given special attention.

## GRADUATE COURSES.

***Graduate Courses.***

Fourteen hours a week of seminary work and graduate lectures are offered each year to graduate students of English, accompanied by the direction of private reading and original research, and the courses are varied from year to year, so that they may be pursued by students through three or more consecutive years. The graduate lectures offered in the department of Comparative Literature are also recommended to the attention of students of English. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the major or third and fourth year courses of the department amounting to ten hours a week may be elected by graduate students. There are offered each year three graduate seminars in English literature, and one in English language. The graduate seminars in literature presuppose at least as much knowledge as is obtained in the two years' course of undergraduate lectures on English literature and in one of the literature years of the English group; and the graduate courses in Anglo-Saxon presuppose as much knowledge of Anglo-Saxon as is obtained in the language year in the English group.

Students who choose English as the chief subject in their examination for the degree of Doctor of Philosophy must have, if they specialise in literature, at least as much knowledge of Anglo-Saxon, and, if they specialise in language, at least as much knowledge of literature, as is obtained in the courses required of those students who make English one of the chief subjects of undergraduate study, and must have taken at least the equivalent of the English Composition in the required English course.

## Seminary in Middle English, Dr. Brown.

*Three hours a week throughout the year.**(Given in each year.)*

In 1912-13 the beginnings of English Drama are the subject of the seminary. Though the cycles of the mystery plays are considered in general, the larger part of the time is devoted to the study of the English morality plays. Particular attention is given to the connection between the moralities and the didactic treatises and the debates. The moralities and the secular drama are studied historically up to the time of Heywood. In addition to the reading and discussion of selected plays, lectures are given by the instructor with the object of setting various elements of dramatic development in proper proportion. Critical reports on assigned topics are required from the students.

In 1913-14 the subject is the Middle English Romances. All the romances represented in the Middle English are read, and the relations of these English versions to their Latin and Old French originals are discussed. The romance cycles are taken up in the following

order: Troy story, Alexander saga, romances of Germanic origin, Arthurian cycle, Charlemagne cycle. Special investigations of various elements in individual romances are undertaken from time to time by the members of the seminary.

In 1914-15 the seminary will undertake the study of *The Vision of Piers the Plowman* and the works of Chaucer. Attention is devoted not so much to the critical reading of the texts themselves as to the examination of the questions of authorship and chronology which have recently been raised. These poems are also discussed in their relation to the other literature of the fourteenth century. Special subjects for individual investigation are assigned to the members of the seminary.

**Beowulf, Dr. Brown.**

*Two hours a week throughout the year.*

*(Given in 1912-13 and again in 1914-15.)*

This course gives in the first place a general survey of Beowulf criticism, including textual problems, theories as to the composition of the poem, and an enquiry into its historical and mythological elements. In this connection a study is also made of the other pieces of Anglo-Saxon heathen poetry. This course is open to graduate students who have already taken the course in Anglo-Saxon or its equivalent.

**English Historical Grammar, Dr. Brown.**

*Two hours a week throughout the year.*

*(Given in 1912-13 and again in 1914-15.)*

In this course the development of the English language is traced from the earliest times. After an outline of the history and external relations of English, the change and decay of inflections, the use of prepositions and the more important points in historical syntax are discussed. The course presupposes a knowledge of Anglo-Saxon and Middle English.

**Cynewulf and Cædmon, Dr. Brown.**

*Two hours a week throughout the year.*

*(Given in 1913-14 and again in 1915-16.)*

Several of the poems traditionally ascribed to these authors are critically studied. Lectures are given furnishing an introduction to Anglo-Saxon Christian poetry and the literary problems connected with it. This course is open to graduate students who have already taken the course in Anglo-Saxon Grammar and reading of Anglo-Saxon Texts, or its equivalent.

**Seminary in English Literature, Miss Donnelly.**

*Two hours a week throughout the year.*

*(Given in each year.)*

In 1912-13 Swift, Addison, and Steele are studied. Attention is given to their relations to both contemporary politics and literature.

In 1913-14 Shelley and Byron will be studied. Special attention is given to the phases of Romanticism shown in their work and to their relations to their contemporaries in England and on the Continent.

In 1914-15 Milton, Sir Thomas Browne, and Jeremy Taylor will be studied in their relation to the development of English prose in the seventeenth century.

**Seminary in English Literature, Dr. Upham.**

*Three hours a week throughout the year.*

*(Given in each year.)*

In 1912-13 the seminary is devoted to studies in the later romantic movement in England, including the period of its diffusion. Emphasis is placed upon such matters as the Italian and Spanish revival, the new interest in Hellenism, the Tractarian movement in the church, and the various ideals of art represented in the Pre-Raphaelite Brotherhood. Extensive studies in these lines during the first semester prepare for special investigations later.



In 1913-14 the seminary will be concerned with the literary and critical activity of the mid-eighteenth century, centering in Dr. Johnson and his circle. Representative works of the period are read and discussed, and particular attention is directed to such matters as the coterie spirit, the influence of periodical literature, the relations of author and public, the breaking down of classical standards, and the rise of romanticism in England and abroad.

The seminary in 1914-15 will deal with the various phases of English sentimentalism in their relation to continental activities. After tracing the earlier development of the sentimental spirit, a thorough study will be made of the manifestations of this spirit in eighteenth century novel and drama. Particular attention will be given to the bearing of sentimentalism on the beginnings of the romantic movement, and special studies will be made of literary relationships.

Modern Literary Criticism, Dr. Upham. *Two hours a week throughout the year.*

(Given in 1912-13 and again in 1914-15.)

This course is offered in the department of Comparative Literature and a description of it will be found on page 129.

Literary Criticism through the Renaissance, Dr. Upham.

*Two hours a week throughout the year.*

(Given in 1913-14 and again in 1915-16.)

This course is offered in the department of Comparative Literature and a description of it will be found on page 130.

Seminary in Elizabethan Drama, Dr. Hatcher.

*Three hours a week throughout the year.*

(Given in each year.)

In 1912-13 Shakespeare is the subject of the seminary. In the first semester as detailed a review as is practicable is made of the results of Shakespearian scholarship as regards critical problems of biography, authorship, chronology and source material of the plays, a comparison of varying versions of separate plays, the influence of earlier and contemporary dramatists, etc. Dramatic records relating to Shakespeare are also examined at first hand and evidences of his participation in the general dramatic activities of his time noted. In the second semester students are given individual problems for investigation.

In 1913-14 English drama from 1558 to 1642 will be studied, as the chief literary expression of the period. The conditions of its origin and continued production, its nature, extent, variety, development and decadence will be discussed and a reasonable proportion of the extant plays of the period read continuously as a background for other work. A brief introductory study is made of dramatic genres and of the broader principles of dramatic construction, and the remainder of the first semester is devoted to the examination of contemporary documents and other sources of information in regard to Elizabethan drama. In the latter half of the year each student investigates some special problem, such as dramatic inter-relationship or authorship, and gives reports upon her work.

In 1914-15 Spenser will be studied in the light of Mediæval and Renaissance culture. The subjects taken up are the inspiration, models, and sources of Spenser's poetry; the many influences working upon him, and those emanating from him, as shown in the significant blending of classical, mediæval, and Renaissance tendencies in his poetry, and his initiative in solving the literary problems of his time. In the first semester all the works of Spenser are read and the results of Spenserian research examined. The second semester is devoted largely to the investigation by each student of some special problem.

Writing Course for Graduates, Miss King.

*Two hours a week throughout the year.*

(Given in 1914-15.)

This course will be devoted to a review of expository writing.

English Journal Club, Dr. Brown, Miss Donnelly, Dr. Upham, and Dr. Hatcher.

*One and a half hours a fortnight throughout the year.*

*(Given in each year.)*

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

## German.

The instruction in this department is under the direction of Dr. Karl Detlev Jessen, Professor of German Literature, Dr. Agathe Lasch, Associate in Teutonic Philology, Miss Mary Jeffers,\* Reader in Elementary German, and Miss Bertha Sophie Ehlers, Reader in Elementary German. The instruction offered in German covers twenty-nine hours of lectures and recitations a week; it includes five hours a week of matriculation German; ten hours a week of undergraduate major and minor work; one hour a week of free elective; three hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in German, and ten hours a week of graduate work in modern German literature and in Teutonic philology.

A class for beginners in German, conducted by Miss Mary Jeffers, five hours a week throughout the year, is provided, in order that those students whose matriculation examination did not include German may obtain the reading knowledge of it that they must possess before receiving a degree. By great diligence such students may acquire sufficient knowledge to be admitted should they desire it, into the first year of the major course in German. This course is conducted by Miss Ehlers in 1912-13.

*Matriculation Course.*

The major course in German presupposes as much knowledge as is required to pass the matriculation examination in this subject.

*Major Course.*

### FIRST YEAR.

*(Minor Course.)*

*(Given in each year.)*

Lectures on the History of German Literature from the period of Romanticism to the present time, Dr. Jessen.

*Two hours a week throughout the year.*

These lectures are delivered in German and discuss the masterpieces of German literature in the nineteenth century. Weicher's *Deutsche Literaturgeschichte* is recommended for reference.

This course is open as a free elective to all students that have passed the matriculation examination in German.

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\* Granted leave of absence for the year 1912-13.

Private reading: Grillparzer, *Sappho*, and Freytag, *Die Journalisten*, must be read by students taking the course in the first semester; Hebbel, *Agnes Bernauer*, and Sudermann, *Die Heimat*, must be read by students taking the course in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

Critical Reading of Modern German Authors, Dr. Lasch.

*Two hours a week throughout the year.*

German Grammar and Prose Composition, Dr. Lasch.

*One hour a week throughout the year.*

The course in critical reading consists of translations of modern German prose and verse. Selections from Goethe's *Wahrheit und Dichtung* are used in the first semester and Goethe's *Iphigenie* and *Tasso* in the second semester. For translation of English into German, Whitney and Stroebe's *Advanced German Composition* (Holt & Co.) and Ruskin's *Praeterita* are used. German grammar is carefully reviewed in Thomas's *Practical German Grammar* (Holt & Co.).

The course in Critical Reading and the course in Grammar and Prose Composition may not be elected separately, and the examination in these subjects may not be divided. The courses are open as a free elective to all students that have passed the matriculation examination in German.

Private reading: Schiller, *Wallenstein*, Part I. (Henry Holt & Co., New York), must be read by students taking the courses in the first semester; Schiller, *Braut v. Messina*, must be read by students taking the courses in the second semester. Examinations on the private reading must be taken at the scheduled time during the semester for which the reading is assigned by all students pursuing the German courses.

The advanced standing examinations, or examinations taken without attending the college classes, in the reading and grammar of the minor, three hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under German governesses the necessary advanced knowledge, and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination on the private reading that accompanies these courses must be taken not later than the third semester after that in which the advanced standing examination is offered.

SECOND YEAR.

*(Given in each year.)*

Lectures on the History of German Literature from Luther to the Romantic School, Dr. Jessen.

*Two hours a week throughout the year.*

These lectures are delivered in German and discuss the great classical authors, as well as the most modern poets and novelists.

Private reading: Goethe, *Italienische Reise*, and Lessing, *Nathan der Weise*, must be read by students taking the course in the first semester; Freussen's *Jörn Uhl* and Nietzsche's *Zarathustra*, must be read by students taking the courses in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

*Faust-Legend* and similar legends in mediæval and modern literature; Goethe, *Faust* (1st and 2nd parts), Dr. Jessen.

*Two hours a week throughout the year.*

The course aims to be a comparative study of an interesting group of literary products of both mediæval and modern literature. Starting with the comparative history of such Faustlike legends in mediæval literature as those of Theophilus and Cyprian, up to Calderon's *Il magico prodigioso*, the Faust-Legend in its many pre-eminently English and German ramifications, will be taken up, including especially Marlowe's *Doctor Faustus*.



Goethe's *Faust* will be the centre of comparative study, showing what in it is due to Rousseauism, to Romanticism, and to other currents of thought. Faustlike literature, especially German and English, of a later date, as far as it is of literary importance will bring the consideration as far up to date as possible. The course will consist of lectures, reports and readings, and will be given in English. It may be counted as part of the major course in comparative literature.

Private reading will be announced later.

German Prose Composition and Reading, Dr. Lasch.

*One hour a week throughout the year.*

In this course the students translate selected passages of difficult English prose into German. Treitschke, *Kleine Schriften* will be translated into English.

The course in German literature and the course in Prose Composition and Reading may not be elected separately, and the examination in these subjects may not be divided.

Private reading: Sudermann's *Johannes* must be read by students taking this course in the first semester; Hauptmann's *Hannele's Himmelfahrt* must be read by students taking this course in the second semester. Examinations on the private reading must be taken at the scheduled times during the semester for which the reading is assigned by all students pursuing the German courses.

An advanced standing examination, or an examination taken without attending the college class, in the prose composition of the major, one hour a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under German governesses the necessary advanced knowledge, and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination on the private reading that accompanies this course must be taken not later than the third semester after that in which the advanced standing examination is offered.

**Group:** German with any language or with Comparative Literature.

#### FREE ELECTIVE COURSE.

Advanced German Composition, Dr. Lasch.

*One hour a week throughout the year.*

*(Given in each year.)*

Difficult English prose selections are translated into German. The intention of the course is to increase the understanding and feeling for written and spoken German. Attention is paid to the needs of students intending to teach German.

#### POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

**Post-  
Major  
Courses.**

German Literature from 1850 to the Present Time, Dr. Jessen.

*Two hours a week during the first semester.*

*(Given in 1912-13 and again in 1914-15.)*

The subject of this course is, in the first semester, the *Epigonen-Literatur*. The development of the modern German *Novelle* is discussed and Keller's, Storm's, and C. F. Meyer's works are specially studied. A full account of the poets of the *Münchener Schule* is given, as well as of Richard Wagner, Reuter, Groth, Freytag, Spielhagen, Scheffel, Raabe, Geibel, Heyse, and Schack.

German Literature from 1850 to the Present Time (continued), Dr. Jessen.

*Two hours a week during the second semester.*

*(Given in 1912-13 and again in 1914-15.)*

In the second semester among the subjects discussed are the influence of French, Russian, and Scandinavian literatures, especially of the work of Zola and Ibsen on German literature; modern German realism and naturalism, as represented by Fontane, Anzengruber, Wildenbruch, Hauptmann, Sudermann, Lilieneron, and Rosegger; the increased importance of women in literature, and the work of Marie von Ebner-Eschenbach, Luise von François, Ricarda Huch, Helene Böhlau, Isolde Kurz, Clara Viebig, and others; the significance of Nietzsche for German life and literature; Neo-romanticism and *Heimatsdichtung*.

Lectures on the History of German Literature from the Romantic School till 1850, Dr. Jessen.

*Two hours a week throughout the year.*

*(Given in 1913-14 and again in 1915-16.)*

This course begins with a general study of the principles of philosophy, life, art, and poetry, as represented by the Romantic School, which is followed by lectures on the literary movements, expressed mainly in lyric poetry and in the novel, which superseded the Romantic *Weltanschauung*. The lyrics of the war of liberation, the *Weltschmerz*, and the political revolution; the novel of *Jungdeutschland*: the drama of Heinrich von Kleist; the works of the Schlegels, Tieck, Hölderlin, Jean Paul, Novalis, Uhland, Lenau, Heine, Immermann, Freiligrath, Herwegh, Gutzkow, Mörike, and Gotthelf are the principal topics discussed.

Advanced Critical Reading, Dr. Jessen. *One hour a week throughout the year.*

*(Given in each year.)*

The reading is selected from works discussed in the post-major lectures on literature. The students give reports on dramas or novels, the object of the discussion being to trace the characteristics of the author, as shown in his works. Special attention will be paid to the needs of students who intend to teach German.

Elementary Middle High German, Dr. Lasch.

*One hour a week throughout the year.*

*(Given in each year.)*

This course has been arranged primarily for undergraduate students who wish to be able to read the Middle High German classics in the original. A general acquaintance with the history of early German literature, such as may be obtained from the lectures on the history of German literature in the minor course, is presupposed. Wright's *Middle High German Primer* (2nd edition, Oxford, 1899) is used.

#### GRADUATE COURSES.

#### *Graduate Courses.*

Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of German and Teutonic Philology accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the post-major courses of the department, amounting to four hours a week, may be elected by graduate students.

The graduate courses offered in German Philology may be found under the head of General Teutonic Philology.

Graduate work in the history of modern German literature is conducted according to the seminary method. The courses are varied so that they

may be followed by graduate students throughout three successive years and cover the work required of students who offer German literature as a major or minor for the degree of Doctor of Philosophy.

Seminary in German Literature, Dr. Jessen.

*Two hours a week throughout the year.*

*(Given in each year.)*

Although the seminary meets only two hours a week throughout the year, the amount of reading required makes the course equivalent to five hours a week. It is hoped that the students will become familiar in these courses with the methods of scientific literary criticism and investigation.

In 1912-13 the subjects for study and investigation and for reports are taken from Grillparzer during the first semester and from E. T. A. Hoffman during the second semester.

In 1913-14 Goethe and Schiller will be studied in their personal, literary, and critical relations.

In 1914-15 Friedrich Nietzsche and Herman Grimm will form the basis of the work of the seminary.

German Metrics, Dr. Jessen.

*One hour a week during the first semester.*

*(Given in 1912-13 and again in 1914-15.)*

This course consists of lectures on *Deutsche Metrik* or *Verslehre*, with an introduction to phonetics, this being an indispensable *Hilfswissenschaft* for the study of German literature.

German Poetics, Dr. Jessen.

*One hour a week during the second semester.*

*(Given in 1912-13 and again in 1914-15.)*

Lectures will be given on *Deutsche Poetik* and *Stilistik*.

German Literary Criticism, Dr. Jessen.

*One hour a week during the first semester.*

*(Given in 1913-14 and again in 1915-16.)*

The lectures trace the development of literary and æsthetic criticism in Germany from Leibnitz to Schiller and Goethe. The course is comparative in character, and French and English literary criticism are also considered. Lessing's *Laokoön* and *Hamburgische Dramaturgie* and Schiller's essays on æsthetics are studied. A good reading knowledge of French and German is required.

The German Essay, Dr. Jessen.

*One hour a week during the second semester.*

*(Given in 1913-14 and again in 1915-16.)*

The history of the essay in German literature is studied, and the most eminent German essayists, Schopenhauer, Herman Grimm, Karl Hillebrand, Friedrich Nietzsche, etc., are discussed; the influence of French, English, and American writers, in particular Montaigne, Macaulay, and Emerson, is investigated. Incidentally questions touching on the evolution of modern German prose style are dealt with.

Goethe's *Faust*, Dr. Jessen.

*Two hours a week throughout the year.*

*(Given in each year when the time of the department permits.)*

This course is intended as an introduction to the problems of *Faustphilologie*, dealing with both the first and second parts.

Goethe's Life and Works, Dr. Jessen.

*Two hours a week throughout the year.*

*(Given in each year when the time of the department permits.)*

This course aims at giving an introduction into *Goethe-philologie*.



German Journal Club, Dr. Jessen and Dr. Lasch.

*Two hours once a fortnight throughout the year.*

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment and criticism.

### GENERAL TEUTONIC PHILOLOGY.

The instruction in this department is under the direction of Dr. Agathe Lasch, Associate in Teutonic Philology. Special attention is called to the facilities for the study of comparative Teutonic philology offered by Bryn Mawr College. The English and the German departments together have provided for a complete course in Teutonic philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-Saxon, Old Saxon, Old High German, Middle High German, Platt-Deutsch, etc.) and the study of general comparative philology.

The course in introduction to the study of Teutonic philology, Gothic and Middle High German grammar (first year course,) are designed for students in their first year of graduate study in Teutonic languages and the remaining courses for students in their second or third year. The courses given in each year will be planned to meet the needs of the graduate students.

Students intending to elect Teutonic philology are advised to study Greek for at least one year during their undergraduate course.

#### GRADUATE COURSES.

*(Given in each year.)*

#### **Graduate Courses.**

Introduction to the Study of Teutonic Philology, Dr. Lasch.

*One hour a week throughout the year.*

*(Given in each year.)*

These lectures deal with the following topics: a discussion of Teutonic in its relation to the cognate Aryan languages; a brief sketch of the single Teutonic languages, accompanied by an account of the chief grammatical and lexicographic works on each; a discussion of the aim and method of historical and comparative grammar, including problems such as those of the relationship of dialects and the consistency of phonetic laws; a brief history of Teutonic philology, and finally the outlines of general phonetics.

Gothic, Dr. Lasch.

*Two hours a week throughout the year.*

*(Given in each year.)*

Gothic phonetics and inflection are studied in connection with the elements of comparative Aryan grammar. Braune's *Gotische Grammatik* (7th ed., Halle, 1909); or Streitberg's *Gotisches Elementarbuch* (3rd ed., Heidelberg, 1910) are used as text-books.

As a thorough knowledge of Gothic is the foundation of the study of historical and comparative Teutonic grammar, every graduate student of Teutonic grammar is advised to take this course as early as possible. *Die Gotische Bibel* (ed. by W. Streitberg, Heidelberg, 1908) is used by the more advanced students.

Middle High German Grammar and reading of Middle High German  
 Texts, Dr. Lasch.

*Two hours a week throughout the year.*

*(Given in each year.)*

This course includes a brief abstract of Middle High German grammar, with special reference to the difference between Middle High German and Modern German, and a study of the most prominent authors in Middle High German. Selections from classical Middle High German poets are read and also the *Nibelungenlied*, a brief account being given of the history and development of the *Nibelungenlied* and its manuscripts.

Students of Middle High German should be provided with Paul's *Mittelhochd. Grammatik* (7th ed., Halle, 1908), or Michels's *Mittelhochd. Elementarbuch* (Heidelberg, 1900).

This course is required of all students that make German the minor subject in their examination for the degree of Doctor of Philosophy.

The private reading includes the works of the authors treated in the course.

Old Saxon, Dr. Lasch.

*Two hours a week during the second semester.*

*(Given in 1912-13 and again in 1914-15.)*

The work presupposes on the part of the students a sufficient knowledge of Gothic and Old High German. Holthausen's *Altsächsisches Elementarbuch* (Heidelberg, 1900); the *Heliand* (in Sievers's or Behaghel's edition), and Zangemeister-Braune's *Bruchstücke der altsächsischen Bibeldichtung* (Heidelberg, 1894) are used. The reading is supplemented by a discussion of the West Germanic alliterative verse.

Old Norse, Dr. Lasch.

*Two hours a week during the second semester.*

*(Given in 1912-13 and again in 1914-15.)*

This course may, by request, be substituted for the course in Old Saxon.

Students entering this course are supposed to be acquainted with Gothic and with Anglo-Saxon or Old High German grammar. In the grammatical part of the course the Norse sounds and forms are studied and compared with those of the Gothic and West-Germanic dialects. Among the texts read, selections from the younger and the older *Eddas* take a prominent place.

The books used are Kahle's *Altisländisches Elementarbuch* (Heidelberg, 1900) and some of the *Islandinga sögur* (*Altnordische Saga-Bibliothek*) and Hildebrand's *Edda* (2nd ed., Paderborn, 1904).

Attention is called to the facilities afforded for the study of Old Norse. A considerable portion of the library of the late philologist, Th. Wisén, of Lund, was acquired by Bryn Mawr College, and hence the library is probably as well supplied as any other college library in the United States with Old Norse texts, Norse periodicals, and works on Old Norse language and literature.

Comparative Teutonic Grammar, Dr. Lasch.

*One hour a week throughout the year.*

*(Given in 1913-14.)*

The study of comparative Teutonic philology is recommended to those students only who are acquainted with the single old Teutonic languages, and have studied Gothic, Old High German, Old Saxon, Anglo-Saxon, and Norse. The object of the course is to compare the various old Teutonic languages with each other and with the related Aryan languages,—or in other words (1) to reconstruct the primitive Teutonic language; (2) to point out the characteristic features of primitive Teutonic in distinction from primitive Aryan; (3) to carry down the history of early Teutonic from the period of unity into the early stages of the individual Teutonic languages.

Old High German, Dr. Lasch.

*Two hours a week throughout the year.*

*(Given in 1913-14.)*

This course includes a practical study of Old High German grammar, and a comparison of the Old High German sounds and forms with those of Gothic, Middle and Modern High

German. Selections are read from Old High German texts, arranged so as to proceed from easy to more difficult pieces, and to illustrate the difference between the Old High German dialects.

History of Modern High German, Dr. Lasch.

*One hour a week throughout the year.*

*(Given in 1912-13 and again in 1914-15.)*

These lectures deal with the history of the development of the German written language during the Modern High German period. The most important *Kanzleisprachen*, the most prominent *Druckersprachen*, Luther, Modern German sounds and forms in their relation to the German dialects and to the rules of the *Bühnenaussprache*, will be discussed.

Teutonic Seminary, Dr. Lasch.

*One hour a week throughout the year.*

*(Given in each year.)*

This seminary is arranged for the benefit of the most advanced students in Teutonic philology. Its object is to encourage independent work on the part of the students. The work consists mainly of the discussion of special topics by the instructor and the students. Members of the seminary are expected to study the literature on these subjects, and to make an effort to contribute some additional material, or an independent opinion of their own.

In 1912-13 Old High German texts such as *Merseburger* and *Trierer Zaubersprüche*, *Muspilli*, and *Hildebrandslied* are studied. The many problems that these texts offer and the various attempts to solve them are discussed.

In 1913-14 the subjects of the seminary will be taken from Middle High German texts. Problems in text criticism as well as literary problems connected with the works of Middle High German poets either of the classical period or of the periods preceding or following it are discussed.

In 1914-15 the first semester will be devoted to High German texts from the fourteenth to the seventeenth century. The material will be taken either from official documents of this period belonging to various parts of Germany or from the works of writers such as Murner, Hans Sachs, Luther, and others; or from grammatical works of this period in Müller's *Quellenschriften und Geschichte des deutschsprachlichen Unterrichts*, John Meier's *Neudrucke älterer deutscher Grammatiken*, etc. They are selected to illustrate the development of Modern High German. In the second semester Old Saxon texts (*Heliand* and *Genesis*) will be studied.

The order of these seminary subjects may be changed in accordance with the requirements of the students in any particular year.

In addition to the above courses, others in Old Frisian, Dutch, Middle Low German, or Modern Low German may be arranged for students that have previously studied Gothic, Old and Middle High German, Anglo-Saxon, and Old Saxon.

## French.

The instruction in this department is under the direction of Dr. Albert Schinz, Professor of French Literature, Dr. Richard Thayer Holbrook, Associate Professor of French Philology and Italian, Mr. Louis Cons, Associate in French, Miss Marie Hopp, Reader in Elementary French, and Miss Eunice Morgan Schenck, Reader (elect) in French.

The instruction offered in French covers thirty-five hours of lectures and recitations a week; it includes five hours a week of



matriculation French; ten hours a week of undergraduate major and minor work; seven hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in French; and thirteen hours a week of graduate work in modern French literature and in Old French literature and language.

A class for beginners in French five hours a week throughout the year, is provided, in order that those students whose matriculation examination did not include French may with less difficulty obtain the reading knowledge of it that they must possess before receiving a degree. By great diligence such students may acquire sufficient knowledge to be admitted should they desire it, into the first year of the major course in French. This course is given by Miss Hopp under the direction of Dr. Schinz.

**Matriculation Course.**

Entrance to the major course in French presupposes as much knowledge as is required to pass the matriculation examination in this subject. All the courses in French are conducted in the French language.

**Major Course.**

#### FIRST YEAR.

(Minor Course.)

(Given in each year.)

Lectures on the history of French Literature of the nineteenth century, accompanied by collateral readings from representative French authors, Mr. Cons.

*Three hours a week throughout the year.*

These lectures are delivered in French, and students are expected to take notes and answer questions in French. The aim of the course is to train the students to follow lectures in French as well as to acquaint them with the main features of eighteenth century literature.

Private reading: Chateaubriand, *Atala* and *René*, V. Hugo, *Hernani* and *Ruy Blas*, must be read by students taking the course in the first semester. Maeterlinck, *Péleas et Mélisande*, *l'Intruse* and *La Mort de Tintagiles*, must be read by students taking the course in the second semester. Examinations on the private reading must be taken by all students pursuing the French courses at the scheduled time during the semester for which the reading is assigned.

Critical Readings in French prose and poetry. Practical Exercises in French Syntax and Composition, Dr. Schinz.

*Two hours a week throughout the year.*

The class is conducted in French, and students are expected to take notes and to answer questions in French.

Private reading: Balzac, *Gobseck*, must be read by students taking the course in the first semester; Chateaubriand, *Le dernier des Abencérages*, must be read by students taking the course in the second semester. Examinations on the private reading must be taken by all students pursuing the French courses at the scheduled time during the semester for which the reading is assigned.

The advanced standing examinations, or examinations taken without attendance on the college classes, in the reading and composition of the minor, two hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study,

or by residence abroad or work under French governesses the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination in translation will consist of sight translation from French (usually poetry) into English. V. Hugo's *Les Châtiments* (Hachette, Paris), *La Légende des Siècles*, *id.* (the first two volumes), or Schinz's *Selections from Victor Hugo* (Heath, Boston) will give an idea of the kind of translation required. The examination in composition will as a rule consist in translating a few detached sentences of every-day idiomatic English, such as may be found in Sweet's *Primer of Spoken English*, or the German edition of it (*Elementarbuch des Gesprochenen Englisch*. Oxford, Clarendon Press), or Chardenal's *French Exercises for Advanced Pupils* (Allyn and Bacon, Boston). The private reading examinations must be taken not later than the third semester after that in which the advanced standing examination is offered.

#### SECOND YEAR.

(Given in each year.)

Lectures on the history of French Literature from the earliest times to the end of the seventeenth century, accompanied by collateral reading, Dr. Schinz.

*Three hours a week throughout the year.*

These lectures are delivered in French. The collateral reading in connection with the lectures, on which examinations are held at stated intervals, consists, for the period preceding the seventeenth century, of passages chosen from such works as Gautier's *Épopées Françaises* or Petit de Julleville's *Histoire du Théâtre en France*; and for the seventeenth century of selections from the leading authors of the time. Malherbe, Boileau, Corneille, Racine, Molière, La Fontaine, Descartes, Pascal, La Rochefoucauld, Mme. de Sévigné, the great pulpit orators, and others, find a place in the course. During the first semester a number of selections from sixteenth century writers are also read in class, one hour out of the three being specially devoted to this purpose.

Private reading: *Chanson de Roland* (traduction Gautier), and Bédier, *Tristan et Iseut*, must be read by students taking the course in the first semester; Corneille, *Le Cid*, *Cinna*; Racine, *Andromaque*, *Athalie*; Molière, *Tartuffe* and *Le Misanthrope*; Boileau, *Art Poétique* (*Chant I*), Pascal, *Lettre Provinciale*, V; Bossuet, *Oraison funèbre de Condé* must be read by students taking the course in the second semester. Examinations on the private reading must be taken by all students pursuing the French courses at the scheduled time during the semester for which the reading is assigned.

Studies in French Style, Composition, etc., Mr. Cons.

*One hour a week throughout the year.*

Critical Readings and Studies in Classical French Comedy, Mr. Cons.

*One hour a week throughout the year.*

Molière, *Théâtre Choisi* (ed. Thirion, Hachette, Paris) is used in both semesters. The two one-hour courses given by Mr. Cons may not be elected separately.

Private reading: Corneille, Molière, *Théâtre Choisi* (ed. Thirion, Hachette, Paris), must be read by students taking the courses in the first semester; Brioux, *Blanchette*; Maeterlinck, *La Vie des Abeilles*, must be read by students taking the courses in the second semester. Examinations on the private reading must be taken by all students pursuing the French courses at the scheduled time during the semester for which the reading is assigned.

The advanced standing examinations or examinations taken without attendance on the college classes in the reading and composition of the major, two hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence, that they have obtained before entering the college by regular and systematic study, or by residence abroad or work under French governesses, the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to

pass at the first trial will disqualify from further trials. The examination in translation will consist of sight translation from French (usually poetry), into English. V. Hugo's *Les Châtiments* (Hachette, Paris), *La Légende des Siècles*, *id.* (the first two volumes), or Warren's *Selections from Victor Hugo* (Holt, New York) will give an idea of the kind of translation required. More difficult passages will be selected than for the minor advanced standing examination. The composition consists of one or two pieces of connected English, taken from such books as Stevenson's *Treasure Island*, Jerome K. Jerome's *Idle Thoughts of an Idle Fellow*. No specific question on French grammar is asked; students are expected to show their knowledge of grammar in the composition. Cameron's *The Elements of French Composition* (Holt, New York), and Storm's *French Dialogues* (Macmillan, London) will be found useful in composition work. The private reading examinations must be taken not later than the third semester after that in which the advanced standing examination is offered.

*Group:* French with Italian and Spanish, or with any language, or with Comparative Literature, or with Modern European History, or with History of Art.

#### POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

**Post-  
Major  
Courses.**

French Lyric Poetry of the nineteenth century, Dr. Schinz.

*Two hours a week throughout the year.*

*(Given in 1912-13 and again in 1914-15.)*

In the first semester the lectures treat lyric poetry until the year 1866. Special attention is paid to the period from 1850 to 1866, while Lamartine, Hugo, Sainte-Beuve, de Vigny, and de Musset are treated only so far as is necessary for the understanding of the evolution of lyric poetry in their successors, Baudelaire, Gautier, de Banville, Leconte de Lisle, Sully Prudhomme, Coppée, France, Mendès, etc. The lectures of the second semester treat contemporary lyric poetry from 1866 to 1886. A careful study is made of the Parnassian school.

The short story (*nouvelle*) in the nineteenth century, Dr. Schinz.

*Two hours a week throughout the year.*

*(Given in 1913-14 and again in 1915-16.)*

The *genre nouvelle* is studied in connection with the following writers: Xavier de Maistre, Chateaubriand, Nodier, de Vigny, de Musset, Balzac, Mérimée, Flaubert, Gautier, Laboulaye, Daudet, Bourget, Maupassant, France, Coppée, Loti, Villiers de l'Isle Adam, de Régner, and others.

Women Writers of the Renaissance, Mr. Cons.

*Two hours a week throughout the year.*

*(Given in 1912-13.)*

The course deals with the importance and influence of Louise Labbé and the School of Lyons; the three Marguerites: Marguerite de Navarre, Marguerite de France, Marguerite de Valois.

Modern Literary Schools and Tendencies in France, Mr. Cons.

*Three hours a week throughout the year.*

*(Given in 1913-14 and again in 1915-16.)*



Modern French Symbolists from Verlaine to the writers of the present day will be studied in connection with modern conditions in France.

Modern French Drama, Mr. Cons. *Three hours a week throughout the year.*  
(Given in 1914-15.)

The lectures deal with post-romanticism, realism and mysticism on the French stage. Rostand, Brieux and Maeterlinck will be specially studied.

Old French, Miss Schenck. *Two hours a week throughout the year.*  
(Given in 1913-14.)

This course is primarily intended for undergraduate students who wish to acquire a reading knowledge of Old French. The most essential facts of Old French grammar will be summarized in introductory lectures and such texts as the following will be read: *Extraits de la Chanson de Roland*, Gaston Paris; *Chrestomathie de l'Ancien Français*, L. Constans (representative passages from texts composed between the ninth century and the middle of the fifteenth). *Aucassin et Nicolette*, edited by H. Suchier; *Le Garçon et l'Aveugle*, edited by M. Roques.

#### GRADUATE COURSES.

**Graduate Courses.** Thirteen hours a week of seminary work and graduate lectures are offered each year to graduate students of French, accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the post-major courses of the department amounting to four or five hours a week may be elected by graduate students. Graduate students interested in the study of literature will also find it to their advantage to attend the lectures on French literature two hours a week throughout the two years of the major course in French.

There are offered each year three distinct graduate courses in French, two in literature and one in language, and these courses are varied so that they may be followed by graduate students throughout three years, and cover the work required of students who offer French language or literature as a major or minor for the degree of Doctor of Philosophy.

**Literature.** Seminary in French Literature, Dr. Schinz.

*Three hours a week throughout the year.*

(Given in each year.)

In 1912-13 the subject of the seminary is Montaigne. Various problems connected with his life, his relations to Protestantism and to the political problems of his time, the question of the authorship of the *Discours sur la servitude volontaire*, the origin and sources of the essays, Montaigne and the Renaissance, and Montaigne and Plutarch are discussed. A special study is made of Montaigne's style and of the *Apologie de Raymond de Sebonde*.

In 1913-14 Rousseau is the subject of the seminary. In the first semester, after a discussion of his life, a study is made of the *Confessions*, *Réveries*, and *Correspondance*. Special attention is paid to the controversy *Confessions* versus *Mémoires d'Epinay*, transformed by the discoveries of Mrs. MacDonald. The questions of Rousseau's insanity and suicide are discussed. The second semester is devoted chiefly to the study of *Texte's Jean Jacques Rousseau et le cosmopolitisme littéraire*. The *Lettre à d'Alembert* and the *Nouvelle Héloïse* are studied especially in connection with this theory.

In 1914-15 the subject of the seminary will be Victor Hugo. The seminary will deal with his lyrical works. The following subjects are treated: Victor Hugo as a Royalist and Catholic poet; his indebtedness to Chateaubriand, Sainte-Beuve, Nodier and other contemporaries; his attitude towards Napoleon I., the Republic of 1848 and Napoleon III.; and his social, political and religious ideas in the period of his maturity and of his old age.

### Seminary in French Language and Literature, Mr. Cons.

*Two hours a week throughout the year.*

*(Given in each year.)*

In 1912-13 a study is made of Rabelais. The investigations of Abel Lefranc on Rabelais are brought into connection with the "Conteurs" and also with such writers as Bernard Palissy and Ambrose Paré.

In 1913-14 the subject of the seminary is Molière. The subjects studied are: French Comedy before Molière; Molière's comedies, their Latin, Italian, and French sources; his style and method of composition; the nature of his "comique," his philosophy and his morality.

In 1914-15 the subject of the seminary will be Romanticism and Realism in the 19th century as illustrated by Chateaubriand, Sénancourt, Benjamin Constant, De Maistre, Lamennais, Fourier, Saint-Simon, and others; Romanticism of Victor Hugo; a careful study of *Les Misérables*; philosophical and historical realism (Renan, Taine).

In 1915-16 the subject of the seminary will be *La 'Matière de Bretagne' et l'épopée courtoise*. The course includes a careful study of the *Lais* of Marie de France, the poems referring to Tristan, and the *Romans* of Chrétien de Troie; these are studied in connection with the question of their origin in Celtic countries and their later development in France. The different theories that have been proposed as to their origin and evolution are examined and discussed and an attempt is made to determine their comparative value.

The course in Old French Philology is intended for students in their first year of graduate study; that in Old Provençal and the Old French Seminary for students in their second or third year of graduate study; the Journal Club may be attended by students in their first, second, or third year of graduate study. The course in Old French Readings is designed to be taken in connection with the Old French seminary.

### Old French Philology, Dr. Holbrook. *Three hours a week throughout the year.*

*(Given in each year.)*

This course consists of lectures on the phonology, morphology, and syntax of Old French, and is designed not only for students whose main pursuit is Romance philology, but also for those who wish to acquire more precise knowledge of the French elements in Middle English. The main principles of Historical Grammar are studied in the *Extraits de la Chanson de Roland*, published by Gaston Paris, and in various texts in L. Constans's *Chrestomathie*. Other books used are Passy's *Sounds of the French language*, Grandgent's *Introduction to Vulgar Latin*, Nyrop's *Grammaire Historique de l'Ancien Français*, and Schwan-Behrens's *Grammaire de l'Ancien Français*.

### Old French Readings, Dr. Holbrook. *Two hours a week throughout the year.*

*(Given in each year.)*

Various typical Old French masterpieces are studied from a scientific standpoint. The essential facts of Old French grammar are reviewed and rare or difficult locutions are minutely examined for the sake of precise interpretations; dialectal features are considered and attention is given to the relation of manuscripts to printed texts. In addition to the works named below, students are expected to supply themselves with Gaston Paris's *Littérature française au moyen âge*.

The following courses may be arranged to suit the needs of students in any particular year:

In 1912-13 this course was devoted chiefly to study of the following texts: *Maistre Pierre Pathelin* and Villon.

In 1913-14 attention will be given mainly to epic and historical works: Wace, *Le pèlerinage de Charlemagne*, Villehardouin, Joinville, and other chroniclers.

In 1914-15 the texts studied will be Marie de France (*Lais*), *Aucassin et Nicolette* and the *Yvain* or *Cligès* of Chrestien de Troyes.

Old French Seminary, Dr. Holbrook. *Two hours a week throughout the year.*

(Given in each year.)

The work of the seminary is on the most important Old French dialects. Texts in Norman, Picard, Francian and Franco-Provençal are studied with reference to their dialectal features in order that the student may acquire the power to determine approximately the origin of other texts in which the same dialectal features occur.

Old Provençal, Dr. Holbrook. *Two hours a week throughout the year.*

(Given in each year.)

This course is intended for students of Old French who wish to begin the study of the language and literature of the Troubadours. The books required are Grandgent's *Outline of the Phonology and Morphology of Old Provençal* (Boston, 1905) and Appel's *Provenzalische Chrestomathie* (latest edition).

Romance Languages Journal Club, Dr. DeHaan, Dr. Schinz, Dr. Holbrook, Mr. Cons. *One and a half hours a fortnight throughout the year.*

(Given in each year.)

The instructors and advanced students meet to report on and discuss recent reviews and critical articles.

## Italian.

The instruction in this department is under the direction of Dr. Richard Thayer Holbrook, Associate Professor of French Philology and Italian.

The instruction offered in Italian covers nine hours of lectures and recitations a week; it includes seven hours a week of undergraduate minor and major work; and two hours a week of graduate work.

A combination of five hours a week for one year of the minor course in Italian with five hours a week for one year of the minor course in Spanish forms a major course and may be taken with any other language or with comparative literature to form a group. Any of the undergraduate courses in Italian may be taken as free elective courses.

### FIRST YEAR.

(Minor Course.)

(Given in each year.)

**Major  
Course.**

Italian, Dr. Holbrook.

*Five hours a week throughout the year.*

(May be taken as a free elective.)



This course is designed to prepare beginners for the study of Italian literature, as well as for the practical use of the language. Reading is taken up from the start, a careful pronunciation is insisted upon, and the essentials of the grammar are taught by a critical observation of the texts used and by graded exercises in the rendering of English into Italian. The books used are the following: C. H. Grandgent's *Italian Grammar*; Stories by Fogazzaro and Hecker's *Il Piccolo Italiano*; Giuseppe Finzi's *Petrarca* (1900); De Marchi's *Storie*; selections from the verse and prose of Renato Fucini; selections from Italian poets in the *Oxford Book of Italian Verse* (thirteenth to nineteenth centuries), with introductory readings in Dante.

#### SECOND YEAR.

(Given in each year.)

Italian Classical Literature, Dr. Holbrook.

*Two hours a week throughout the year.*

The work in this course is to study selections in verse and prose from Ariosto and Tasso, then all the *Inferno* and parts of the *Purgatorio* and *Paradiso*. For Ariosto and Tasso the study of difficult modern prose and poetry may be substituted, with exercises in writing and speaking.

*Group:* Italian and Spanish with any language, or with comparative literature or Italian with History of Art.

#### GRADUATE COURSES.

Two hours a week of seminary work and graduate lectures are offered each year to graduate students of Italian accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries.

*Graduate Courses.*

Italian Philology, Dr. Holbrook.

*One hour a week throughout the year.*

(Given in each year.)

This course presupposes a knowledge of Old French Philology and the equivalent of the minor and major courses in Italian offered at Bryn Mawr College. The work is founded upon the treatise entitled *Die Italienische Sprache* by D'Ovidio and Meyer Lübke in Gröber's *Grundriss* (Strassburg, 1906). Various passages from thirteenth and fourteenth century authors are examined critically from a phonological and morphological point of view.

Old Italian Readings, Dr. Holbrook.

*One hour a week throughout the year.*

(Given in each year.)

Students should provide themselves with the first volume of D'Ancona and Bacci's *Manuale della Letteratura Italiana* (Florence, 1904).

Romance Languages Journal Club, Dr. DeHaan, Dr. Schinz, Dr. Holbrook, Mr. Cons.

*One and a half hours a fortnight throughout the year.*

The instructors and advanced students meet to report on and discuss recent reviews and critical articles.

## Spanish.

The instruction in this department is under the direction of Dr. Fonger DeHaan, Professor of Spanish.

The instruction offered in Spanish covers eighteen hours of lectures and recitations a week; it includes ten hours a week of undergraduate minor and major work; two hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in Spanish; and six hours a week of graduate work.

A combination of five hours a week for one year of the minor course in Spanish with five hours a week for one year of the minor course in Italian forms a major course, and may be taken with any other language to form a group. Students may thus elect ten hours of Spanish, or five hours of Spanish and five hours of Italian to form a major course.

### FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

### **Major Course.**

Spanish, Dr. DeHaan.

*Five hours a week throughout the year.*

The object of this course is to give beginners a good knowledge of modern Spanish, and to ground them thoroughly in the essentials of the grammar. As a preparation for understanding the spoken language, two half-hours a week during the second semester are devoted to dictation. The books studied are the following (taken up in the order indicated): DeHaan's *Cuentos Modernos*; Pérez Nieva, *Tomás el torrero* (Madrid, *Colección Klong*); DeHaan's *Selected Works of G. A. Bequer*; Hartzenbusch, *Los Amantes de Teruel* (*Obras*, vol. III.); Zorrilla, *Granada* (Madrid, 1895, 2 vols.).

Private reading: Palacio Valdés, *José*; Galdós, *Marianela*.

### SECOND YEAR.

(*Given in each year.*)

Lectures in Spanish on Spanish Literary History of the Nineteenth Century, Dr. DeHaan. *Two hours a week throughout the year.*

Spanish Composition, Dr. DeHaan.

*One hour a week throughout the year.*

Critical Reading in Spanish, Dr. DeHaan.

*Two hours a week throughout the year.*

Private reading supplementing the lectures on literary history comprises representative works in the various branches of literature.

*Group:* Spanish, or Italian and Spanish with any language, or with comparative literature or Spanish with History of Art.

## POST-MAJOR COURSE.

The post-major course is designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect this course.

*Post-Major Course.*

Advanced Spanish, Dr. DeHaan.

*Two hours a week throughout the year.*

*(Given in each year.)*

The course consists of readings of classical, pre-classical and modern literature, translation of English prose into Spanish, and the writing of compositions in Spanish. Some time is devoted to the study of the history of Spanish literature.

## GRADUATE COURSES.

Six hours a week of seminary work and graduate lectures are offered each year to graduate students of Spanish accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the post-major course of the department amounting to two hours a week may be elected by graduate students.

*Graduate Courses.*

Spanish Philology, Dr. DeHaan.

*One hour a week throughout the year.*

Old Spanish Readings, Dr. DeHaan.

*One hour a week throughout the year.*

Lectures in Spanish on Spanish Literary History till the death of Calderon (1681), Dr. DeHaan.

*One hour a week throughout the year.*

The lectures are supplemented by extensive private reading of important works.

Essays in Spanish, Dr. DeHaan.

*Two hours a week throughout the year.*

Romance Languages Journal Club, Dr. DeHaan, Dr. Schinz, Dr. Holbrook, Mr. Cons.

*One and a half hours a fortnight throughout the year.*

The instructors and advanced students meet to report on and discuss recent reviews and critical articles.

## COMPARATIVE LITERATURE.

The instruction in this department is under the direction of Dr. Orie Latham Hatcher, Associate Professor of Comparative and Elizabethan Literatures; Dr. Alfred Horatio Upham, Associate Professor of English Literature, and Miss Georgiana Goddard King, Lecturer in Comparative Literature and in History of Modern Art.

The instruction offered in comparative literature covers fourteen hours of lectures and recitations a week; it includes ten hours a week of undergraduate minor and major work and four hours a week of graduate work. Any of the undergraduate courses may be taken as free elective courses, but are open



only to those students who have completed the two years' required course in English and possess a reading knowledge of one language besides English. Students electing comparative literature as a major subject must possess a reading knowledge of Latin and of one modern language at the beginning of the first year course, and a reading knowledge of Latin and of two modern languages before entering on the work of the second year. The study of either Italian or Spanish is recommended to students intending to elect comparative literature as a group and should be begun as early as possible after entering college.

#### FIRST YEAR.

##### *(Minor Course.)*

#### **Major Course.**

Renaissance Lyrics, Dr. Hatcher.

*Three hours a week throughout the year.*

*(Given in each year.)*

The course is concerned with the rise of the modern literary lyric among the Troubadours and the spread of Provençal and other early Romance lyric forms in Italy, France, Germany, Spain, and England. A reading knowledge of Latin and of one modern language is required.

Italian Models in Renaissance Literature, Miss King.

*Two hours a week throughout the year.*

*(Given in each year.)*

The study of the literature of the Italian Renaissance begins with an examination of its ideals of education and character, and, after a short excursus on the influence of the other arts upon literature between 1300 and 1600, indicates the chief differences which appeared as the movement reached its culmination in France and England, and the standards of taste and ideals of life which it finally imposed. In 1913-14 the work will deal especially with the *novella* and the comedy.

The course on the *Faust Legend* given by Dr. Jessen, two hours a week as part of the major course in German, may be substituted for this course if desired.

#### SECOND YEAR.

The Pastoral, Dr. Hatcher.

*Three hours a week throughout the year.*

*(Given in each year.)*

The lectures and reading involve recognition of the large debt of the moderns to the classical pastoralists, but are chiefly devoted to the rise and decadence of the pastoral mode in the Romance literature and in English as expressed in eclogue, pastoral, lyric, romance, and drama. A reading knowledge of Latin and of two modern languages is required.

Victorian Poets: Their Continental Sources, Miss King.

*Two hours a week throughout the year.*

*(Given in 1913-14.)*

This course may be taken as a free elective and will be given in 1914-15 and thereafter in the minor year of the group.

The Continental Developments of Romanticism in the Nineteenth Century, Miss King.

*Two hours a week throughout the year.*

*(Given in 1914-15.)*

The course deals with the rise and growth of the ideals of revolution in continental literature from the birth of Byron to the death of Swinburne.

*Group:* Comparative Literature with English, or with German, or with French, or with Italian, or with Spanish, or with Italian and Spanish.

#### GRADUATE COURSES.

The seminary in comparative literature changes its subject of study from year to year through a cycle of three years. It may be taken by graduate students of English in connection with the seminary in Elizabethan literature or may be elected separately. The courses in literary criticism extend through two years, but may be elected separately. Students intending to do special work in comparative literature are advised to begin the study of Italian or Spanish and are required to have a reading knowledge of both languages if taking comparative literature as a major subject. *Graduate Courses.*

Seminary in Comparative Literature, Dr. Hatcher.

*Two hours a week throughout the year.*

*(Given in each year.)*

In 1912-13 Renaissance comedy, chiefly in the sixteenth century, is studied. Some preliminary consideration is given to mediæval contributions to Renaissance comedy, but Ariosto's revival of classical comedy is taken as the special starting point, and the development of literary comedy traced through other Italian plays and through the French, Spanish and English to that of the earlier Jacobean dramatists. The various types of comedy are analysed and illustrated in the reading required. Pre-requisite for the course, French and either Italian or Spanish.

In 1913-14 the seminary will undertake the study of Renaissance fiction on the continent as related to Elizabethan fiction and drama, the study of fiction being here practically restricted to that of the novella or short prose tale. Boccaccio, Cinthio, Bandello, Margaret of Navarre, Desperiers, Belleforrest, Painter, Pettio, Whetstone, etc., are among the novelists studied. Pre-requisite for the course, French and either Spanish or Italian.

In 1914-15 the subject of the seminary will be the lyric poetry of the late Renaissance. The Italian lyrics of the fifteenth and sixteenth centuries are studied with reference both to their Provençal and early Italian origins, and to their bearing upon later French and English lyrics. Considerable stress is laid upon the study of verse forms and the development of theories of versification. The first semester is given to reading of the literature involved and reviews of the results of critical investigations in the field. In the second semester each student devotes her time to some individual topic. Students desiring to take this course must consult the instructor as to linguistic equipment.

Modern Literary Criticism, Dr. Upham. *Two hours a week throughout the year.*

*(Given in 1912-13 and again in 1914-15.)*

A survey of the important phases of literary criticism in Europe from the neo-classic period, through the development of romanticism, to the present day. Inter-relations of England and the continent will be made prominent. This course will be similar in scope and method to the course in Literary Criticism through the Renaissance.

Literary Criticism through the Renaissance, Dr. Upham.

*Two hours a week throughout the year.*

*(Given in 1913-14 and again in 1915-16.)*

A survey, from the graduate point of view, of the significant movements and documents in the history of European critical theory from Aristotle, through the activities of the Renaissance, to the consummation of the neo-classic code in the seventeenth century. The bearing of these upon English literature will be emphasised throughout. The lectures aim chiefly to indicate outline and relationships, the important feature of the course being the thorough study and frequent discussion of the material.

## SEMITIC LANGUAGES AND BIBLICAL LITERATURE.

The instruction in this department is under the direction of Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages. The instruction offered in this department includes three hours a week of Oriental History, three hours a week of free elective courses in Biblical Literature, and five hours a week of graduate courses in Semitic Languages.

The college was particularly fortunate in securing in the year 1892 the library of the late M. Arthur Amiaud, of Paris. While M. Amiaud was especially eminent as an Assyriologist, he was also prominent as a general Semitic student. His library was the collection of an active scholar, and forms a working library for the student in every department of Semitic study. It is especially rich in the Hebrew, Syriac, and Assyrian languages, containing several works, indispensable to the student, which are now out of print. Another Semitic library containing many works on the Talmud and on Jewish literature was acquired in 1904. In 1907 Mr. Albert J. Edmunds presented to the college his library of 500 volumes on the history of religion. The contents of these libraries, together with the books already owned by the college and those easily accessible in neighboring libraries, form an exceptionally good collection of material for the specialist in Semitic languages. A good working collection of cuneiform tablets is under the control of the department, and affords an excellent opportunity for students of Assyrian to become familiar with original documents.

### MINOR COURSE.

*(Given in each year.)*

#### **Minor Course.**

Oriental History, Dr. Barton.

*Three hours a week throughout the year.*

(May be taken as a free elective or may be substituted for part of the second year of required science, or part of the minor course in ancient history.)

This course treats in broad outlines the history and civilisation of the classical orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal oriental nations, Egyptians, Baby-



Ionians, Assyrians, Phœnicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archaeological specimens and by photographs. Either semester may be elected separately.

#### FREE ELECTIVE COURSES.

The courses in Biblical Literature are intended primarily for undergraduate students, but may be elected by graduate students also.

*Free  
Elective  
Courses.*

History of the New Testament Canon, Dr. Barton.

*One hour a week throughout the year.*

*(Given in 1913-14 and again in 1915-16.)*

This course, which alternates with the course on the Old Testament Canon, consists of a study of the New Testament.

The History of Christian Doctrine, Dr. Barton.

*Two hours a week throughout the year.*

*(Given in 1913-14 and again in 1915-16.)*

In the first semester Christianity is studied as presented by its Founder and by the apostles, and in the second semester the history of Christian doctrine from 100 A. D. to the present time is briefly reviewed, and problems presented by modern thought are touched upon.

History of the Old Testament Canon, Dr. Barton.

*One hour a week throughout the year.*

*(Given in 1914-15 and again in 1916-17.)*

In this course the history of the composition and collection of the books of the Old Testament is studied. The instruction is given in lectures, and readings are assigned in the Old Testament itself and in modern literature concerning it.

New Testament Biography, Dr. Barton. *Two hours a week throughout the year.*

*(Given in 1914-15 and again in 1916-17.)*

The first semester of this course is devoted to a careful study of the life and teaching of Christ; the second semester to the life and teaching of St. Paul. The instruction is given in lectures, and the Gospels and Epistles are read together with the most helpful of the modern works on these topics. The course is illustrated by photographs of the most important places connected with the lives of Christ and St. Paul.

Biblical Geography and Archæology, Dr. Barton.

*Two hours a week throughout the year.*

*(Given when the time of the department permits.)*

The course begins with a survey of the physical features of Palestine and an estimate of their effect upon its civilisation. The succession of races dominant in Palestine since the beginning of history is then reviewed, after which the positions of the places important in the Biblical narrative are carefully noted. The principal Biblical narratives are studied in connection with the geography of the country and the archæological remains of the period. In this way the narratives of the Patriarchs, Kings, Prophets, and Apostles, as well as the life of Christ, are illustrated. The course is illustrated by photographs. Use is made throughout the course of the publications of the Palestine Exploration Fund, and of other modern explorers.

New Testament Greek, Dr. Barton.

*Two hours a week throughout the year.*

*(Given when the time of the department permits.)*

This course presupposes a knowledge of classical Greek. After some introductory lectures on the formation and peculiarities of the New Testament Greek, one hour a week during the first semester is devoted to lectures on the history of the New Testament text, both in its written and in its printed form, the helps extant for emending it, and the method of using them. The remainder of the time is devoted to the interpretation of the New Testament Epistles, especially those of Paul. The students are expected to read privately during the first semester the text of one of the Gospels, and during the second, either the *Acts of the Apostles*, the *Apocalypse*, or the *Epistle to the Hebrews*.

#### GRADUATE COURSES.

#### *Graduate Courses.*

Seminary work and graduate lectures amounting to at least five hours a week are offered each year to graduate students of Semitic languages and Biblical Literature accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the elective courses of the department amounting to three hours a week may be elected by graduate students.

The graduate courses in Semitic languages are varied from year to year, as indicated below, so that they may be pursued by a student for four successive years. Those who offer Semitic languages as the major subject in the examination for the degree of Doctor of Philosophy are required to spend in Semitic work half their time for at least three years.

The work of the department is so arranged that students may specialize in Hebrew or Assyrian. Students who offer Hebrew or Assyrian as the major subject in the examination for the degree of Doctor of Philosophy must possess a knowledge of the grammatical forms of five Semitic languages and in this enumeration Syriac and Jewish Aramaic may not count as separate languages. Students that offer Semitic languages as the minor subject in the examination for the degree of Doctor of Philosophy must show that they have a knowledge of three Semitic languages.

The regular alternation of courses is indicated below and at least five hours a week will be given in each year, the courses being selected according to the needs of the graduate students. Graduate students may enter in any year of the four years' course, as there will be afforded each year an opportunity for graduate students to begin Hebrew.

No undergraduates are admitted to graduate courses.

The following courses are offered in 1912-13 and again in 1914-15:

Semitic Seminary, Dr. Barton.

*Two hours a week throughout the year.*

This seminary is devoted to Hebrew or Assyrian, the languages that may be offered as major subjects for the doctor's degree. The time may be devoted to one of these languages, or may be divided between the two, according to the needs of the students. In Assyrian the subject may be chosen from one of the following; the oldest Babylonian inscriptions, temple archives of Telloh, Sumerian hymns, the code of Hammurabi, or mythological poetry. In Hebrew, one of the following subjects may be selected: Job, the Psalter, Isaiah, Jeremiah, Ecclesiastes and the Song of Songs, or Hebrew Epigraphy. In the Hebrew seminary the students are trained in textual criticism through the use of the ancient versions.

## Seminary in Aramaic and Arabic, Dr. Barton.

*Two hours a week throughout the year.*

This seminary is devoted to Arabic or Aramaic, the languages that may be offered as minor subjects for the doctor's degree. The time may be given to one of the languages, or may be divided between the two, according to the needs of the students. In Arabic the subject may be chosen from one of the following: the Coran, pre-Islamic poetry, Arabic geographers, or South Arabic inscriptions. In Aramaic, one of the following subjects may be selected: a comparative study of the Syriac Versions of the Gospels, the Syriac Version of one of the Old Testament books, the writings of Gregory Bar Hebraeus, or of Efraem, the Targum on one of the Old Testament books, the Talmud, or Aramaic inscriptions.

## Hebrew Literature, Dr. Barton.

*Two hours a week throughout the year.*

This course is devoted to a study of the Prophets, the Pentateuch, and the historical books of the Old Testament.

## Ethiopic, Dr. Barton.

*One hour a week throughout the year.*

The grammar and *Chrestomathia* of Praetorius and Dillmann are used, and in the later part of the course selections are read from the book of Enoch.

## Comparative Semitic Grammar, Dr. Barton.

*One hour a week throughout the year.*

The grammar of Brockelmann is used as a basis with comparison from the Egyptian and other Hamitic languages.

## Egyptian, Dr. Barton.

*One hour a week throughout the year.*

The elements of Egyptian and Coptic grammar are taught, and some texts in each language interpreted.

The following courses are offered in 1913-14 and again in 1915-16:

## Semitic Seminary, Dr. Barton.

*Two hours a week throughout the year.*

The work of the seminary is continued as given in 1912-13.

## Elementary Semitic Languages, Dr. Barton.

*Two hours a week throughout the year.*

This course may be devoted to the elements of Hebrew, or of Aramaic (Syriac and Jewish Aramaic), or Assyrian, or Arabic according to the needs of the students. The time may, if necessary, be divided between two of these languages.

## Hebrew, The Prophets, Dr. Barton.

*One hour a week throughout the year.*

The text of one or more of the Prophets is critically interpreted, and Hebrew syntax and composition are studied.

## Seminary in New Testament Greek, Dr. Barton.

*One hour a week throughout the year.*

A thorough study is made of some book of the New Testament, and the students are guided in critical studies, both textual and historical.

## History.

The instruction in this department is under the direction of Mr. Clarence H. Haring, Associate in History, Dr. William Roy Smith, Associate Professor of History, Mr. Frederick Aldrich



Cleveland,\* Lecturer in History, Dr. George A. Barton, Professor of Semitic Languages and Biblical Literature, Dr. James Fulton Ferguson, Associate in Latin and Ancient History, and Miss Amy Maud Burt, Lecturer in Modern History.

The instruction offered in history covers forty-three hours of lectures a week; it includes twenty hours a week of undergraduate major and minor work in modern history and ten hours a week of major and minor work in ancient history; six hours a week of post-major work, open only to graduates and undergraduates that have completed the major course in history, and seven hours a week of graduate work.

The object of the major course in history is three-fold. Primarily, history is taught for its own sake as a record of the development of humanity; secondarily, as a necessary accompaniment to the study of political institutions; and finally, as a framework for other forms of research, linguistic, religious, or archæological. The courses are planned to develop in the students a readier historical sense, and a consciousness of historical growth, rather than to give them a mere outline of general history. The instruction consists mainly of lectures, which are designed to create interest in the broad lines of historical development; the lectures are accompanied by constant references for private reading, to stimulate accuracy in detail and independence in judgment.

#### FIRST YEAR.

(*Minor Course.*)

*Modern History.*

(*Given in each year.*)

*Modern History.*

#### **Major Course.**

History of Europe from 1815 to 1912, Mr. Haring and Mr. Cleveland.\*

*Three hours a week throughout the year.*

(This course may be taken as a free elective and either semester may be elected separately. The class will be divided alphabetically into two sections, A and B. Mr. Haring will lecture to Section A in the first semester and to Section B in the second semester. Mr. Cleveland will lecture to Section B in the first semester and to Section A in the second semester.)

The course deals with the political and social transformation of Europe in the nineteenth century. It opens with an outline of the career of Napoleon. The lectures trace the reac-

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\*Granted leave of absence for the second semester of 1912-13 and for 1913-14. The courses offered by Mr. Cleveland are given by Miss Burt.

tion against legitimism and Metternichism, and the growth of liberal ideas and constitutional government. In the second semester special attention is paid to the union of Italy and to the foundation of the German Empire. Attention is also given to questions of the near and far East and to problems of colonial expansion.

### History of the Reformation, Dr. Smith. *Two hours a week throughout the year.*

(This course may be taken as a free elective and may be entered in the second semester but must be elected in both semesters in order to count as part of the minor course in history. The course in History of England since 1066 may be substituted for this course, but must also be elected in both semesters to count as part of the minor course in history.)

The course begins with a brief survey of the Middle Ages, special emphasis being placed upon the organisation of the Church, the rise and fall of the Papacy, the work of the Councils of Pisa, Constance, and Basel, and the pre-Lutheran reform movement. A more detailed account of the growth of Protestantism and the counter measures follows; the war in the Netherlands, the religious and political struggles in France, and the Thirty Years' War are discussed. The course closes with the treaty of Westphalia in 1648.

### History of England since 1066, Mr. Cleveland.\*

*Two hours a week throughout the year.*

(This course may be taken as a free elective and may be entered in the second semester but must be elected in both semesters in order to count as part of the minor course in history. The course in the History of the Reformation may be substituted for this course but must also be elected in both semesters in order to count as part of the minor course in history.)

The objects of this course are to review the principal events in English history since the Norman conquest and also to explain modern England. The treatment is therefore both chronological and topical, the topics discussed being either of contemporary importance or explanatory of present political history. Up to 1485 the lectures merely summarise facts and emphasise changes; after 1485 the treatment is more detailed and special subjects such as the development of the cabinet system, the American Revolution from the English point of view, the industrial revolution, parliamentary reform, and recent social legislation are discussed.

### SECOND YEAR.

#### *Modern History.*

*(Given in each year.)*

### Europe in the Age of the Renaissance, Mr. Haring.

*Three hours a week throughout the year.*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under the above conditions it may be taken as a free elective and may be entered in the second semester, but students taking history as a group must elect it in both semesters in order to count it as part of the major course. The course on the French Revolution and Napoleon may be substituted for this course.)

The course is intended to trace the development of those forces in learning and religion, in political and social life, which combined to give significance to this period. The rise of Italian Humanism and its reflection in Northern Europe, the broadening of geographical knowledge and the commercial rivalries which ensued, the national expansion of France, Spain, England, and the beginnings of religious reform are dealt with.

### The French Revolution and Napoleon, Mr. Cleveland.\*

*Three hours a week throughout the year.*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under the above conditions it may be taken as a free elective, and

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\*See footnote, page 134.

may be entered in the second semester, but students taking history as a group must elect it in both semesters in order to count it as part of the major course. The course on Europe in the Age of the Renaissance may be substituted for this course.)

This course treats of the history of France and of Europe from 1789 to 1815, by means of lectures, assigned readings, and reports. The period is considered as an organic whole and the career of Napoleon is regarded as that of a child of the Revolution who in his later years abuses what has made him. The form of the course is chiefly narrative and an effort is made to view the Revolution in its wider aspects as, in a sense, a part of the history of all modern states. The increasing mass of secondary material is appraised and some printed documentary material is used for reports and references.

### History of the United States from 1865 to 1913, Dr. Smith.

*Two hours a week throughout the year.*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under the above conditions it may be taken as a free elective, and may be entered in the second semester, but students taking history as a group must elect it in both semesters in order to count it as part of the major course. The course on British Imperialism may be substituted for this course.)

The aim of this course is to present the historical background necessary to enable students to discuss intelligently the more important social, industrial, political, and diplomatic problems of the present day. They will also be taught by means of required reading and reports how to use memoirs, letters, magazines, newspapers, and other contemporary historical sources.

### British Imperialism, Dr. Smith.

*Two hours a week throughout the year.*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under the above conditions it may be taken as a free elective, and may be entered in the second semester, but students taking history as a group must elect it in both semesters in order to count it as part of the major course. The course on the History of the United States from 1865 to 1912 may be substituted for this course.)

This course deals with the external history of the English people: the sea-rovers of the sixteenth century; the beginnings of American colonisation; the contrast between the old colonial system and the new; the history of Canada, Australasia, South Africa, India, Egypt and other colonies and dependencies; the new imperialism of Beaconsfield and Chamberlain; the present position of England as a world power.

#### FIRST YEAR.

*(Minor Course.)*

*Ancient History.*

*(Given in each year.)*

*Ancient History.*

#### **Major Course**

### Oriental History, Dr. Barton.

*Three hours a week throughout the year.*

(This course may be taken as a free elective and may be entered in the second semester but must be elected in both semesters in order to count as part of the minor course in Ancient History.)

This course treats in broad outlines the history of the civilisation of the Classical Orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal oriental nations, Egyptians, Babylonians, Assyrians, Phoenicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archaeological specimens and by photographs. Either semester may be elected separately.



## Outline Survey of Classical History, Dr. Ferguson.

*Two hours a week throughout the year.*

(This course may be taken as a free elective and may be entered in the second semester but must be elected in both semesters in order to count as part of the minor course in Ancient History.)

The object of this course is to trace the growth of European civilisation from its beginnings to the reign of Charlemagne in order to give a connected idea of the Græco-Roman civilisation. It is intended as an introductory course to further study in classical or mediæval history. The lectures will be supplemented by reading in West's *Ancient History* and in larger histories. Oriental history will be given only in so far as it serves to explain the origin of this civilisation and will not duplicate in any way the course in Oriental History.

## SECOND YEAR.

*Ancient History.**1st Semester.**(Given in each year.)*

## Fifth Century Athens, Dr. Ferguson.

*Three hours a week.*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under the above conditions it may be taken as a free elective, but students taking Ancient History as a group must elect also the course in the First Century of the Roman Empire in order to count it as part of the major course.)

This remarkable period in Greek History will be studied minutely, especially the Age of Pericles. Source study, and comparison and evaluation of modern accounts will be required from the students.

## Lectures on Roman Life, Dr. Frank.

*One hour a week.*

(This course may be taken as a free elective and may be entered in the second semester, but students taking Ancient History as a group must elect the course in both semesters in order to count it as part of the major course.)

An attempt is made to describe briefly Roman social and economic conditions, as well as the development of religious beliefs and institutions.

## The Historians of Rome, Dr. Ferguson.

*One hour a week.*

(This course may be taken as a free elective and may be entered in the second semester, but students taking Ancient History as a group must elect the course in both semesters in order to count it as part of the major course.)

The object of the course is to train the student in the use of source material. The works of the leading ancient historians, Polybius, Livy, Cæsar, Paternulus, Tacitus, and Cassius Dio, are analyzed to discover their methods, their accuracy, and conception of history. The influence of rhetoric and biography on historical writing is studied, and some work in bibliography given. The lectures are supplemented by special reports on assigned topics.

*2nd Semester.*

## The First Century of the Roman Empire, Dr. Ferguson.

*Three hours a week.*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under the above conditions it may be taken as a free elective, but students taking Ancient History as a group must elect also the course in Fifth Century Athens in order to count it as part of the major course.)

The course consists of a study of the political, institutional, and cultural history of the empire under the twelve Cæsars, with special reference to the Age of Augustus. The sources and their use by modern historians are studied minutely. Special subjects are assigned for independent investigation.

Lectures on Roman Life (continued), Dr. Frank. *One hour a week.*

The Historians of Rome (continued), Dr. Ferguson. *One hour a week.*

*Group:* Modern History with Economics and Politics; Modern History with German, or with French, or with History of Art; Ancient History with Greek, or with Latin, or with Classical Archæology.

#### POST-MAJOR COURSES.

#### **Post-Major Courses.**

American Constitutional History, from 1783, Dr. Smith.

*Three hours a week throughout the year.*

*(Given in 1912-13 and again in 1914-15.)*

The lectures deal with the leading aspects of the political, constitutional, and economic history of the United States from the ratification of the constitution to the present time. The text-books used are MacDonald's *Select Documents of the History of the United States* and *Select Statutes of United States History*, but frequent additional references are given to the leading secondary authorities. To a limited extent use will be made of such documents as are available in the library, and special topics will be assigned for discussion and report.

England since 1714, Mr. Cleveland.\* *Two hours a week throughout the year.*

*(Given in 1912-13.)*

This course is conducted by means of lectures, assigned readings, and written reports. Its purpose is rather to explain than to narrate. Therefore the treatment is topical as well as chronological, emphasis being laid upon those political, social, and constitutional changes which seem to have made modern England. Among the topics of discussion are the rise and fall of the Whig oligarchy, the evolution of the cabinet system, the rise of Methodism, the American Revolution as a constitutional question, England and the French Revolution, the industrial revolution, parliamentary reform, England and the Monroe doctrine, the repeal of the corn laws, Home Rule, and present-day Liberalism. This course was given by Miss Burt in the second semester of 1912-13.

England under the Stuarts, Mr. Haring. *Two hours a week throughout the year.*

*(Given in 1913-14 and again in 1915-16.)*

The principal aspects of the narrative and constitutional history of England under the Stuarts will be studied in some detail. Use will be made of general histories, but the work of the students will, as far as possible, be done from State papers, published correspondence, etc. The course will be conducted by lectures, discussions, and oral reports from members of the class.

England under the Tudors, Mr. Haring. *Two hours a week throughout the year.*

*(Given in 1914-15.)*

This course is conducted on the same general plan as the preceding course.

American Constitutional History to 1783, Dr. Smith.

*Three hours a week throughout the year.*

*(Given in 1913-14 and again in 1915-16.)*

The text-books used in the course are MacDonald's *Select Charters of American History* and *Select Documents of the History of the United States*. The members of the class are also systematically referred, not only to the general authorities, but also to colonial charters and constitutions, the records of the colonial governments as far as they are available, the journals of Congress, and other documentary materials.

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\*See footnote page 134.

The Roman Empire in the Third and Fourth Centuries, Dr. Ferguson. *Ancient History.*

*One hour a week throughout the year.*

*(Given in 1913-14.)*

In this course a study is made of the forces which led to the fall of the Western Empire. Economic decay, the caste system, religion, the growth of absolutism, are subjects which will be especially studied. Independent investigation of particular topics will be required.

The Hellenistic Age, Dr. Ferguson.

*One hour a week throughout the year.*

*(Given in 1914-15.)*

This course consists of a study of the Greek world from Alexander to its conquest by Rome, special emphasis being laid on the commercial expansion, growth of national tendencies, intellectual awakening, and the effect on the Roman world. Independent investigation of special topics will be required from the students.

GRADUATE COURSES.

Two distinct seminary courses in English and European history and in American history are offered to graduate students in history in addition to a course in Historical Method and Bibliography and the direction of private reading and original research.

No undergraduates are admitted to graduate courses.

Seminary in English and European History, Mr. Haring.

*Three hours a week throughout the year.*

*(Given in each year.)*

In 1912-13 the Reformation is the subject of the seminary.

In 1913-14 the work of the seminary will be on topics selected from the political history of continental Europe in the sixteenth and seventeenth centuries.

In 1914-15 English institutions in the Tudor and Stuart periods will be studied.

Seminary in American History, Dr. Smith.

*Two hours a week throughout the year.*

*(Given in each year.)*

In 1912-13 the American colonies in the seventeenth and eighteenth centuries are the subject of the seminary. The political, constitutional, and social problems of the colonies in the seventeenth century are studied in the first semester. In the second semester, special stress is laid upon the development in the eighteenth century of the imperial administrative machinery and upon the ethnical distribution of population in the colonies.

In 1913-14 the revolution, the confederation, and the constitution will be the subjects of study. American history from 1776 to 1789 is discussed primarily from the local point of view as a step in the conflict between the seaboard aristocracy and the democracy of the frontier. The social and economic forces which led to the adoption of the Federal Constitution and the subsequent formation of national political parties are investigated.

In 1914-15 the subject of the seminary is slavery and the negro problem. After a preliminary survey of the history of slavery in the colonial period such topics as the slavery compromises of the constitution, the growth of slavery in the South, the abolition of the slave trade, the Missouri Compromise, the anti-Slavery movement, nullification, the Mexican War, the Wilmot Proviso, the compromise measures of 1850, the Kansas-Nebraska bill, the Dred Scott decision, the abolition of slavery, and the adoption of the thirteenth, fourteenth, and fifteenth amendments are discussed. Special attention is paid to the conflict between sectionalism and nationalism and to the connection between slavery, territorial expansion, and the development of constitutional theories.



### Historical Method and Bibliography, Mr. Cleveland.\*

*One hour a week throughout the year.*

*(Given in 1913-14.)*

The matters dealt with in this course are the field of history and its relations to allied subjects; the evolution of the scientific historical method; the outlines of historical bibliography; the great collections of printed material; archives and MSS.; the work and rank of leading historians of the modern school. A reading knowledge of French and German is required.

Historical Journal Club, Mr. Haring, Dr. Smith, Mr. Cleveland,\* and Miss Burt.

*Two hours once a fortnight throughout the year.*

The instructors in the department of history and the graduate students who are pursuing advanced courses in history meet once a fortnight to make reports upon assigned topics, review recent articles and books, and present the results of special investigations.

### Economics and Politics.

The instruction in this department is under the direction of Dr. Marion Parris Smith, Associate Professor of Economics and Politics, Mr. Sydney D. M. Hudson, Lecturer in Political Science, and Mr. Frederick Archibald Dewey, Lecturer in Economics and Sociology.

The instruction offered in this department covers twenty-five hours of lectures a week; it includes fourteen hours a week of undergraduate minor and major work; seven hours a week of post-major work open only to graduates and to undergraduates who have completed the major course in economics and politics; and six hours a week of graduate work.

The object of the undergraduate courses in economics and politics is three-fold: first, to trace the history of economic and political thought; second, to describe the development of economic and political institutions; and third, to consider the practical economic and political questions of the day. Instruction is given by lectures. The lectures are supplemented by private reading, by oral and written quizzes, by written theses and reports, and by such special class-room exercises as the different subjects require.

#### FIRST YEAR.

*(Minor Course.)*

*(Given in each year.)*

#### **Major Course.**

Introduction to Economics, Dr. M. P. Smith and Mr. Dewey.

*Three hours a week throughout the year.*

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\* See footnote, page 134.

(This course may be taken as a free elective and either semester may be elected separately. The class will be divided alphabetically into two sections, A and B. Dr. M. P. Smith will lecture to Section A in the first semester and to Section B in the second semester. Mr. Dewey will lecture to Section B in the first semester and to Section A in the second semester.)

The objects of this course are to introduce the students to the economic problems in the modern state with their necessary historical antecedents, and to train them to think clearly on economic subjects. The work of the year is divided into three parts: first, the nature and extent of supply, including a brief outline of economic geography; second, the nature and laws of demand, including an introduction to the theory of value and price; third, a brief résumé of the development of modern economic institutions including means and methods of production and exchange. The lectures are supplemented by readings from standard economic authors. Several short papers are required and oral and written quizzes are frequently held. Expeditions are arranged to visit industrial plants, factories, etc.

### Problems in Politics, Mr. Hudson.

*Two hours a week throughout the year.*

(This course may be taken as a free elective and either semester may be elected separately. The course in Sociology may be substituted for this course.)

The course is designed to give the student a knowledge of the vital problems of contemporary politics. The basis of the work will be a critical examination of the political organisation and practice of the United States with constant comparison with Great Britain, France, and the German Empire.

Among the topics treated are: the territorial and ethnic basis of the modern State with special reference to American race problems; the nature of constitutional government, the formation and evolution of modern constitutions, "flexible" and "rigid" constitutions; the fundamental principles embodied in modern democratic constitutions; the evolution of democracy during the last century, various types of democracy, the strong and weak points of democratic systems; the legislative, executive and judiciary, their organisation, powers and methods of operation with special attention to such questions as "the separation of the powers," presidential vs. parliamentary government, the freedom of debate in legislative bodies, the independence of the courts, proper popular control over the machinery of government; federal vs. centralised government, the adaptability of our federal system to present-day conditions; the constitutional protection of private rights, the fifth and fourteenth amendments to the constitution of the United States and the interpretation of these amendments, political parties, their development, organisation and methods; State and Municipal government in the United States; representative and direct government.

### Sociology, Mr. Dewey.

*Two hours a week throughout the year.*

(This course may be taken as a free elective and either semester may be elected separately. The course in Problems in Politics may be substituted for this course.)

Modern society is considered from the sociological standpoint. Evolution, the history of social institutions, the growth of social ideals, and the practical effect of these ideals on modern life are considered.

## SECOND YEAR.

*(Given in each year.)*

### History of Economic Thought, Dr. M. P. Smith.

*Three hours a week throughout the year.*

(This course may be elected only by students who have studied economics and politics at least five hours a week for one year. Under these conditions it may be taken as a free elective, and may be entered in the second semester.)

The object of this course is to give advanced students an historical introduction to modern economic thought as a basis for a critical study of modern economic problems. The successive changes in the theory of value and of distribution since the middle of the eighteenth century are studied with special reference, first, to the philosophical and speculative thought, and second, to the industrial institutions of the times.

The students will be expected to read critically portions of standard texts, including Adam Smith's *Wealth of Nations*, Ricardo's *Principles of Political Economy and Taxation*; Malthus's *Principles of Population*; Senior's *Political Economy*; J. S. Mill's *Principles of Political Economy*; Jevon's *Political Economy*; and selections from the writings of Marshall, Wicksteed, Böhm-Bawert, Wieser, J. B. Clark, Pantaleoni and others. Numerous short papers in connection with the reading, and one long report on some specially assigned subject are required.

**Social Politics, Mr. Hudson.**

*Two hours a week throughout the year.*

(This course may be elected only by students who have studied economics and politics at least five hours a week for one year. Under these conditions it may be taken as a free elective and may be entered in the second semester. The course in Industrial History may be substituted for this course.)

The course deals with the problem of the relations of organised society to the individual with respect to the functions of government and the proper limits of governmental interference. The questions treated will be dealt with from the political, economic and social points of view. During the first semester various types of individualistic and socialistic theories will be critically examined and the practice of modern democratic states with regard to governmental interference will be studied in order to determine and compare the various principles which may be deduced therefrom. The work of the second semester will deal with specific problems such as: the position of the family in modern society; various proposed methods of social reform, especially of aid to dependent and quasi-dependent classes; labour organisations and labour legislation; the growth and regulation of combinations of capital; public ownership vs. governmental control of public utilities; the guaranties of private rights under the constitution of the United States in their relation to social legislation.

**Industrial History, Mr. Dewey.**

*Two hours a week throughout the year.*

(This course may be elected only by students who have studied economics and politics at least five hours a week for one year. Under these conditions it may be taken as a free elective and may be entered in the second semester. The course in Social Politics may be substituted for this course.)

In the first semester the thickly populated nations of to-day are contrasted with their sparsely settled precursors of one hundred and fifty years ago. This and other essential points connected with the general rise of industry are followed by a special study of the United States. During the second semester the problems arising under an industrial régime are considered, together with the programs which purport to effect social reform. Socialism, Syndicalism, and other world-wide movements are described, though attention is centered on the United States.

*Group: Economics and Politics with Modern History or with Philosophy, or with Philosophy and Psychology, or with Psychology.*

**FREE ELECTIVE COURSE.**

**Methods of Social Research, Dr. M. P. Smith.**

*Two hours a week throughout the year.*

*(Given in 1912-13.)*

The work of the first semester is an account of modern institutions for social research and social reform and a review of the most important investigations, bibliographical sources, and methods of research. Booth's *Life and Labour in London*, Rowntree's *Poverty*, the reports of the Bureau of Labour and Bailey's *Modern Social Conditions* are used as text-books. In the second semester American social problems are studied, using as a basis of investigation the United States Census. Special attention is paid to statistical method and students are assigned reports for each semester. The course is open only to those students who have attended the minor course in economics and politics.

**Free  
Elective  
Course.**



## POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

*Post-Major Courses.*

Sociology and the Social Institutions, Dr. M. P. Smith.

*Two hours a week throughout the year.*

*(Given in 1912-13.)*

This course is designed to introduce the students to the problems of modern sociology. The first semester's work is a review of the literature of sociology. The students read selections from the works of Comte, Spencer, Giddings, Ratzehofer, Small, and others. In the second semester the genesis and history of the social institutions are studied, the family, church, state, the institution of private property, corrective and preventive institutions, etc. The lectures are supplemented by written reports and specially assigned reading, and by written and oral quizzes.

Economic and Social Legislation in England and America since 1890, Dr. M. P. Smith.

*Two hours a week throughout the year.*

*(Given in 1913-14 and again in 1915-16.)*

The object of this course is to review recent legislation in England and America affecting hours and wages of labour, working men's insurance and employer's liability, combinations of capital, public sanitation, housing, hygiene, and other economic and social problems. In the first semester English, and in the second semester, American legislation is studied. Each student is assigned special topics for research in order to familiarise her with methods of handling original sources and contemporaneous material.

Methods of Social Research, Dr. M. P. Smith.

*Two hours a week throughout the year.*

*(Given in 1914-15 and again in 1916-17.)*

The work of the first semester is an account of modern institutions for social research and social reform and a review of the most important investigations, bibliographical sources, and methods of research. Booth's *Life and Labour in London*, Rowntree's *Poverty*, the reports of the Bureau of Labour and Bailey's *Modern Social Conditions* are used as text-books. In the second semester American social problems are studied, using as a basis of investigation the United States Census. Special attention is paid to statistical methods and students are assigned reports for each semester. This course was given as a free elective course in 1912-13.

Modern Democracy, Mr. Hudson.

*Three hours a week throughout the year.*

*(Given in 1912-13 and again in 1914-15.)*

The first semester is devoted to an examination of the nature of democracy, types of democratic institutions, the development of the modern democratic movement, and the tendencies of democratic legislation. Democratic institutions are analysed in order to show the principles underlying them, and the opinions of publicists and statesmen with regard to democracy are discussed critically. In the second semester specific problems of democratic organisation and practice, especially those of contemporary American interest are studied.

American Constitutional Law, Mr. Hudson.

*Three hours a week throughout the year.*

*(Given in 1913-14 and again in 1915-16.)*

In this course the leading principles of the American constitutional system will be examined. The course will deal principally with the federal constitution and the decisions of the Supreme Court of the United States. Some attention will be given, however, to state constitutions and the decisions of state courts. Stress will be laid upon decisions relating to social and economic questions.

Elements of Statistics, Mr. Dewey. *Two hours a week throughout the year.*

*(Given in 1913-14.)*

Proper methods of obtaining and handling practical statistics, such as vital, health, trade statistics, working men's budgets, etc., are developed. The course involves a large amount of arithmetic and some algebra.

#### GRADUATE COURSES.

#### **Graduate Courses.**

Six hours a week of seminary work and graduate lectures are offered each year to graduate students of economics and politics accompanied by the direction of private reading and original research, and the courses are varied from year to year so that they may be pursued by students through three or more consecutive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduate students.

Economic Seminary, Dr. M. P. Smith. *Two hours a week throughout the year.*

*(Given in each year.)*

In 1912-13 the subject of the seminary is a critical study of modern theories of value. The works of Ehrenfels, Meinong and Urban are studied and criticised.

In 1913-14 the subject of the seminary will be the problems of distribution and the agencies in modern social life that affect the distribution of wealth. Special attention will be paid to the study of the minimum wage, the various plans for controlling large scale production, modern land systems, etc.

In 1914-15 the subject of the seminary will be a critical study of modern theories of value in Germany, England, and America.

Political Seminary, Mr. Hudson.

*Two hours a week throughout the year.*

*(Given in each year.)*

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures are given but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

In 1912-13 Private Rights under the Constitution of the United States is the subject of the seminary. Attention is devoted both to the content of the rights protected and to the means through which the protection is effected. In this latter connection, the origin of the power of the Supreme Court of the United States to pass upon the constitutionality of the acts of Congress and the State Legislatures; the principles which have guided the Court in the use of the power, and the criticisms which have been advanced with regard to the action of the Court are treated. The investigation of the content of constitutionally protected private rights is concerned chiefly with a study of cases dealing with combinations of labor and capital; social legislation, particularly government aid to dependent and semi-dependent classes; the control of public utilities; limitations upon the taxing power; class discriminations; various modes of administrative procedure.

In 1913-14 a study will be made of the origin and content of the political thought expressed in the Constitution of the United States. American political ideas of the constitution-making period will be considered in relation to their colonial and European sources.

Chief attention, however, will be devoted to the debates in the Convention of 1787, the discussion of the constitution in connection with the state-ratifying conventions, and the course of political thought during the period of federalist supremacy under the new government. An attempt will be made to estimate such relatively permanent political principles as may be discovered with respect to the applicability to present problems.

In 1914-15 the distribution of legislative power between the Central Government and the States will be investigated as a basis for a comparison of federal and centralized government. The American federal system will be compared with the centralized government of Great Britain and the federal systems of Australia, Canada and British South Africa.

Economic Journal Club, Dr. M. P. Smith, Mr. Hudson, and Mr. Dewey.

*Two hours once a fortnight throughout the year.*

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

### Philosophy.

The instruction in this department is under the direction of Dr. Theodore de Leo de Laguna, Professor of Philosophy, Dr. Grace Mead Andrus de Laguna, Associate in Philosophy, Miss Marion Reilly, Dean of the College and Reader in Philosophy, and Mr. Donald Fisher, Lecturer in Philosophy.

The instruction offered in this department covers nineteen hours of lectures a week: it includes a required course of three hours a week; ten hours a week of undergraduate major and minor work; and six hours a week of graduate work.

A course in philosophy, three hours a week throughout one year, and a course in psychology, two hours a week throughout one year, are required of all candidates for a degree.

The major course in philosophy presupposes as much information as is contained in the required course, and may be elected as a group in combination with the major course in Greek, Latin, English, economics and politics, psychology, mathematics, or physics.

A combination of three or two hours a week for two years of the minor or major courses in philosophy with two or three hours a week for two years of the minor or major courses in psychology, making up a course of five hours a week for two years, forms a major course and may be elected as a group in combination with the major course in Greek, English, economics and politics, mathematics and physics. The minor or major course in philosophy amounting to five hours a week for one year may be elected as an alternative for the second year of required science.



**Required Course.** Introduction to Philosophy, Dr. T. de Laguna, Dr. G. de Laguna and Mr. Fisher.

*Three hours a week throughout the year.*

*(Given in each year.)*

(The class will be divided into three sections and each section is assigned a different instructor in each semester.)

The course consists of discussions of certain fundamental problems of metaphysics and the theory of knowledge based as far as possible upon recent philosophical literature. Every effort will be made to foster independence and sincerity of thought, rather than to impress upon the students any system of philosophical dogmas.

#### FIRST YEAR.

*(Minor Course.)*

#### Major Course.

##### 1st Semester.

*(Given in each year.)*

Philosophical Problems, Dr. T. de Laguna.

*Three hours a week.*

(Open only to those students who have taken the required course in philosophy. May be taken as a free elective.)

The discussions in this course are devoted mainly to problems concerning the existence and nature of material substances, the relation between mind and body, and the sources and limits of human knowledge.

Descartes and Hume, Mr. Fisher.

*Two hours a week.*

(Open only to those students who have taken the required course in philosophy. May be taken as a free elective.)

##### 2nd Semester.

Modern Philosophical Theories, Mr. Fisher.

*Three hours a week.*

(Open only to those students who have taken the required course in philosophy. May be taken as a free elective.)

This course includes a discussion of such doctrines as pragmatism, idealism, neo-realism, etc.

Elementary Logic, Dr. T. de Laguna.

*Two hours a week.*

(Open only to those students who have taken the required course in philosophy. May be taken as a free elective.)

An introduction to deductive and inductive logic, including the theories of definition and classification, the transformation of judgments, the canons of the syllogism, the formation of concepts, the general methods of observation and experiment, analogy, and the use of hypotheses.

#### SECOND YEAR.

##### 1st Semester.

*(Given in each year.)*

Plato and Aristotle, Mr. Fisher.

*Three hours a week.*

(Open only to those students who have taken five hours a week for a year of minor philosophy or psychology, including at least two hours a week for a year of philosophy.)

The course is a study of the two principal Greek systems, based upon the reading (in translation) of selected dialogues and treatises.

Philosophy in the Nineteenth Century: German Idealism, Dr. T. de Laguna.

*Two hours a week.*

(Open only to those students who have taken five hours a week for a year of minor philosophy or psychology, including at least two hours a week for a year of philosophy.)

The course is introduced by a series of lectures upon the philosophy of Kant. The post-Kantian systems occupy the greater part of the semester.

*2nd Semester.*

James and Bergson, Dr. T. de Laguna.

*Three hours a week.*

(Open only to those students who have taken five hours a week for a year of minor philosophy or psychology, including at least two hours a week for a year of philosophy.)

The recent anti-intellectualist movement will be critically studied in the works of two of its leaders. Special attention will be given to James's *A Pluralistic Universe* and Bergson's *Creative Evolution*.

In 1914-15 and thereafter this course will be replaced by a course in elementary ethics.

Comte, Mill and Spencer, Mr. Fisher.

*Two hours a week.*

(Open only to those students who have taken five hours a week for a year of minor philosophy or psychology, including at least two hours a week for a year of philosophy.)

*Group:* Philosophy with Greek, *or* with Latin, *or* with English, *or* with Economics and Politics, *or* with Mathematics, *or* with Physics; Philosophy and Psychology with Greek *or* with English *or* with Economics and Politics *or* with Mathematics, *or* with Physics.

## FREE ELECTIVE COURSE.

Theory of Pragmatism, Dr. T. de Laguna.

*One hour a week throughout the year.**(Given in 1912-13 and again in 1914-15.)*

*Free  
Elective  
Course.*

A brief introduction gives a sketch of the Darwinian theory of evolution and of its application to functional psychology. The greater part of the second semester is devoted to class discussion of Professor James's book on *Pragmatism*.

## GRADUATE COURSES.

Six hours a week of seminary work and graduate lectures are offered each year to graduate students of philosophy accompanied by the direction of private reading and original research, and the courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library.

*Graduate  
Courses*

Ethical Seminary, Dr. T. de Laguna.

*Three hours a week throughout the year.**(Given in each year.)*

The subject of the seminary is either a study of one of the chief problems of ethics or metaphysics or a critical examination of some important movement of thought.

In 1912-13 Hume and his contemporaries are studied. A brief preliminary survey is made of the course of English ethical thought from Hobbes to Shaftesbury. This is followed by a more careful examination of selected writings of Mandeville, Butler, and Hutcheson, with a view to tracing their probable influence upon Hume. Finally, the principal task of the year is a comparative study of the ethical doctrines of Hume's *Treatise on Human Nature* and *Enquiry into the Principles of Morals*, with incidental reference to Hartley and Adam Smith.

In 1913-14 the subject will be English evolutionary ethics, as exemplified in the writings of Darwin, Clifford, Spencer, Stephen, Alexander, and Hobhouse, and as criticised by Green, Sorley, Huxley, and Pringle-Pattison. Special attention will be given to the problem of determining the nature and limitations of the genetic method as applied in ethical research.

In 1914-15 the subject will be recent French ethics, Durkheim, Levy-Brühl, Fouillée, Rauh, Belot, and Paulhan.

Metaphysical Seminary, Dr. G. de Laguna.

*Two hours a week throughout the year.*

*(Given in each year.)*

The subject of the seminary is usually an examination of one of the more important metaphysical theories of recent times. The chief object of the inquiry is to indicate the fundamental postulates and tacit agreements of contemporary philosophical thought.

In 1912-13 the subject is English empiricism. Special attention is paid to its connections with associationism, and to the development of the theory of scientific method.

In 1913-14 the subject will be inductive and genetic logic. The theories of Sigwart, Wundt, Bradley, Bosanquet, Dewey, and Baldwin will be the basis of study.

In 1914-15 the subject of the seminary will be contemporary realism, special attention being given to the various phases of the moment in England and in this country. Its historical sources, and its relations to subjective idealism as well as to absolute idealism and pragmatism, will be carefully studied.

Modern Problems in Logic, Miss Reilly. *Two hours a week throughout the year.*

This course is conducted according to seminary method.

Theory of Values, Mr. Fisher. *Two hours a week throughout the year.*

*(Given in 1914-15.)*

This course is based on a study of such writers as Meinong, Urban, and Münsterberg.

Philosophical Journal Club, Dr. T. de Laguna, Dr. G. de Laguna, and Mr. Fisher.

*Two hours once a fortnight throughout the year.*

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

## Psychology.

The instruction in this department is under the direction of Dr. James H. Leuba, Professor of Psychology, Dr. Clarence Errol Ferree, Associate Professor of Psychology and Director of the Psychological Laboratory, Dr. Kate Gordon, Associate Professor in Education, and Dr. Gertrude Rand, Demonstrator in Psychology.

The instruction offered in this department covers twenty-three hours of lectures a week; it includes a required course of two hours a week; ten hours a week of undergraduate major and minor work; three hours a week of free elective work and eight hours a week of graduate work.



A course in psychology, two hours a week throughout one year, and a course in philosophy, three hours a week throughout one year, are required of all candidates for a degree.

The major course in psychology presupposes as much information as is obtained in the required course and may be elected as a group in combination with the major course in English, economics and politics, philosophy, mathematics, physics or biology.

A combination of three or two hours a week for two years of the minor or major courses in psychology with two or three hours a week for two years of the minor or major courses in philosophy forms a major course and may be elected as a group in combination with the major course in Greek, English, economics and politics, mathematics and physics.

The minor or major course in psychology amounting to five hours a week for one year may be elected as an alternative for the second year of required science.

Psychology, Dr. Leuba.

*Two hours a week throughout the year.*

*(Given in each year.)*

The text-book used is Yerkes's *Introduction to Psychology*. In connection with the lectures there are experimental demonstrations.

#### FIRST YEAR.

*(Minor Course.)*

##### 1st Semester.

*(Given in each year.)*

The Psychology of Instinct, Emotion, and the Will, Dr. Leuba.

*Two hours a week.*

(Open only to those students who have taken the required course in psychology. May be taken as a free elective.)

Experimental Psychology, Dr. Ferree and Dr. Rand. *Three hours a week.*

Laboratory work, Dr. Ferree and Dr. Rand. *Two hours a week.*

(Open only to those students who have taken the required course in psychology. May be taken as a free elective.)

The lectures constitute an abbreviated course in systematic psychology in which the historical, critical and theoretical features of the subjects covered are discussed and the experimental features demonstrated. The laboratory work consists of individual practise in selected topics.

##### 2nd Semester.

Psychology (Animal Psychology), Dr. Leuba.

*Two hours a week.*

(Open only to those students who have taken the required course in psychology. May be taken as a free elective.)

***Major  
Course.***

Although this course does not necessitate a special knowledge of biology, yet it appeals to students of that science since it deals with animal behaviour. Time is spent on an analysis of the methods and mental processes by which animals learn. This part of the course is of special interest to students of education because of the light thrown upon the problems of mental acquisition in man.

Experimental Psychology, Dr. Ferree and Dr. Rand. *Three hours a week.*

(Open only to those students who have taken the required course in psychology. May be taken as a free elective.)

Laboratory work, Dr. Ferree and Dr. Rand. *Two hours a week.*

The work of the course is continued as in the first semester.

## SECOND YEAR.

### 1st Semester.

(Given in each year.)

Social Psychology; The Origin and the Nature of Magic, Religion, Ethics, Science and Art, Dr. Leuba. *Three hours a week.*

(Open only to those students who have taken the minor course in psychology two hours a week throughout the year. Experimental psychology is not a prerequisite. May be taken as a free elective.)

Psychology has so far been concerned almost exclusively with individuals, human or animal, normal or abnormal. But a crowd, a clique, an industrial trust, do not behave as the individuals composing them would behave if they acted independently. For this reason the study of the laws of social interrelation and of social action has become a separate branch of psychology. The social institutions magic, religion, ethics, science, art, industry, and commerce are the most important forms which social life has assumed in the course of human development.

Educational Psychology, Dr. Gordon. *Two hours a week.*

(Open only to those students who have taken the minor course in psychology five hours a week throughout the year. May be taken as a free elective.)

This course is intended not only for prospective teachers but for all students interested in psychology and in education. The problems of psychology which have a direct application to educational practise are considered theoretically and experimentally.

### 2nd Semester.

Social Psychology, The Psychology of Group Life, Dr. Leuba.

*Three hours a week.*

(Open only to those students who have taken the minor course in psychology two hours a week throughout the year. May be taken as a free elective.)

Among the subjects studied during the second semester are imitation, prestige, loyalty, and conformity. As in the first semester the opposition of reason (the individuating force) to instinct and emotion (the integrating forces) is emphasised.

Educational Psychology, Dr. Gordon.

*Two hours a week.*

(Open only to those students who have taken the minor course in psychology five hours a week throughout the year. May be taken as a free elective.)

This course is a continuation of the course given in the first semester.

*Group:* Psychology with Philosophy, *or* with Mathematics, *or* with Physics, *or* with Biology, *or* Philosophy and Psychology with Greek, *or* with Latin, *or* with English, *or* with Economics and Politics, *or* with Mathematics, *or* with Physics.

## FREE ELECTIVE COURSE.

## Advanced Experimental Psychology, Dr. Ferree.

*Two hours a week throughout the year.**(Given in each year.)*

This course is intended for students who wish to be trained in research work. It is primarily for fourth year students in psychology, but in very special cases by permission of the instructor it may be taken by a student who has taken the minor course in experimental psychology. The instructor will co-operate with the students in the solution of some original problems. A reading knowledge of French and German is required.

## GRADUATE COURSES.

Eight hours a week of seminary work and graduate lectures are offered each year to graduate students of psychology, accompanied by the direction of private reading and original research and the courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the minor and major courses of the department amounting to ten hours a week may be elected by graduate students. The laboratory of experimental psychology is open to graduate students for research work.

## Psychological Seminary, Dr. Leuba.

*Two hours a week throughout the year.**(Given in each year.)*

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: feeling and emotion; attention, apperception, the will; the psychology of religion and of ethics; language, myths, customs; psychology of the beautiful; psychiatry and criminology; animal and child psychology. In 1912-13 the subject of the seminary was educational psychology: a study of the results of psychological work in the field of education.

## The Psychology and Treatment of Deficient and Unusual Children, Dr. Leuba.

*Two hours a week throughout the year.**(Given in 1913-14.)*

## Systematic Psychology, Dr. Ferree.

*Three hours a week throughout the year.**(Given in each year.)*

This course is intended, primarily, to give a systematic presentation of the literature of experimental psychology. Due consideration, however, will be given to all points of systematic importance. The work is grouped about the following topics: sensation, the simpler sense complexes, perception and ideas, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.). The course covers three years, but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

## Psychological Journal Club, Dr. Leuba and Dr. Ferree.

*One hour a week throughout the year.*

The advanced students meet with the instructors once a week to hear or read reports on the literature of the subject and on the work done in the laboratory.

## Psychological Laboratory Work.

The laboratory work consists of individual practice and research.



### Education.

*This school is organized in part from the Phebe Anna Thorne Endowment and is connected with the Phebe Anna Thorne Model School.*

The instruction in Education is under the direction of Dr. Kate Gordon, Associate Professor of Education, Dr. Matilde Castro, Director of the Phebe Anna Thorne Model School, Dr. James H. Leuba, Professor of Psychology, Dr. Clarence Errol Ferree, Associate Professor of Experimental Psychology and Director of the Psychological Laboratory, and Dr. Gertrude Rand, Reader (elect) in Educational Psychology.

The work of the School of Education is intended for graduate students only. No undergraduate students will be permitted to take any graduate work in education although graduate students may if they so desire elect undergraduate courses in education and psychology and other subjects. The courses are planned for graduate students who wish to study education for one, two, and three years on the principle that about one-half of the student's time will be given to purely educational courses and the remaining half to courses in the subjects in which she is preparing herself to teach. In the second half of each year there will also be provided opportunities for practice in teaching. The degree of Master of Arts in Education is open to graduates of Bryn Mawr College only. Graduates of other colleges will receive diplomas certifying to the work that they have taken in the Graduate School of Education. The degree of Doctor of Philosophy in Education is open to graduates of all colleges of high standing under the general conditions prescribed for the degree of Doctor of Philosophy.

#### *The Phebe Anna Thorne Model School.*

The Phebe Anna Thorne School will open in the autumn of 1913 under the direction of the Bryn Mawr College Graduate School of Education. This school is maintained by an endowment of one hundred and fifty thousand dollars given by the executors of the estate of the late Phebe Anna Thorne to perpetuate her deep interest in school education and her desire to further research in the best methods of teaching school

subjects. The Phebe Anna Thorne School is an integral part of the Graduate School of Education and affords its students an opportunity to follow the work of the expert teachers of the model school and discuss in seminars conducted by the professors of education the various problems of teaching and administration as they arise from day to day. The Phebe Anna Thorne School receives pupils at ten years of age and fits them to enter Bryn Mawr and other colleges on the completion of a seven years' high school course based on the soundest available theory and practice of teaching to be found in this country or abroad. Wherever a new method of teaching a high school subject is known to have succeeded it will be studied and introduced into the model school and the results on the pupils of different methods of teaching the same subjects will be tested and compared in the psychological laboratories of the college. It is believed that the opportunity thus afforded of studying the newest approved methods of secondary teaching will enable teachers who have studied in the Graduate School of Education to teach more efficiently and to command materially higher salaries.

The instruction offered in education covers sixteen hours of lectures a week; it includes two hours a week of free elective work, and fourteen hours a week of graduate work.

#### FREE ELECTIVE COURSE.

History of Education, Dr. Gordon. *Two hours a week throughout the year.*  
(Given in each year.)

***Free  
Elective  
Course.***

This course deals with the great educators and their systems considered with reference to modern educational methods and the problems of to-day.

#### GRADUATE COURSES.

Fourteen hours a week of seminary work and graduate lectures are offered each year to graduate students of education accompanied by the direction of private reading and original research, observation classes, and a practicum for the study and practice of teaching, and the courses are varied from year to year so that they may be pursued by students through three or more consecutive years. No undergraduates are admitted to graduate courses, but the free elective course of the department amounting to two hours a week may be elected by graduate students.

***Graduate  
Courses.***

Seminary in Education, Dr. Gordon and Dr. Castro.

*Two hours a week throughout the year.*

(Given in each year.)

The subject of the seminary in 1913-14 will be methods of teaching. In 1914-15 methods of school administration will be the subject of the seminary and students attending the seminary will be required to give at least two hours a week to actual practice in teaching.

In 1915-16 secondary education will be treated in the seminary.

Observation Classes, Dr. Gordon and Dr. Castro.

*Two hours a week throughout the year.*

*(Given in each year.)*

Five hours a week counting as a two hour lecture course will be spent in the observation of teaching in the Phebe Anna Thorne Model School and in other schools.

Psychology Applied to Teaching, Dr. Gordon.

*Two hours a week throughout the year.*

*(Given in 1913-14.)*

In connection with this course students are required to take four hours a week of laboratory work.

Advanced Psychology Applied to Teaching, Dr. Gordon and Dr. Rand.

*Two hours a week throughout the year.*

*(Given in 1914-15.)*

In this course training is given in the methods of testing children for fatigue, efficiency, etc. Four hours of laboratory work are required in connection with this course.

Special Laboratory Problems in Educational Psychology, Dr. Gordon, Dr. Ferree and Dr. Rand.

*Three hours a week throughout the year.*

*(Given in 1915-16.)*

Theories of Education, Dr. Gordon.

*Two hours a week throughout the year.*

*(Given in 1913-14.)*

Comparative Education, Dr. Gordon.

*Two hours a week throughout the year.*

*(Given in 1914-15.)*

Psychology and Treatment of Deficient and Unusual Children, Dr. Leuba.

*Two hours a week throughout the year.*

*(Given in 1913-14.)*

Systematic Psychology, Dr. Ferree.

*Three hours a week throughout the year.*

*(Given in each year.)*

This course is intended for graduate students who have already taken a course in experimental psychology and gives a systematic presentation of the literature of experimental psychology. Due consideration, however, will be paid to all points of systematic importance. The work is grouped about the following topics: sensation, the simpler sense complexes, perception and ideas, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.). Graduate students of education who have not already taken a course in experimental psychology are required to take in place of this course in their first year of work in education the minor\* course in experimental psychology given in each year by Dr. Ferree and Dr. Rand.

Elocution and Enunciation, Mr. King.

*One hour a fortnight throughout the year.*

*(Given in each year.)*

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\* See page 149.



This course in the use of the voice and in enunciation is recommended to all students who expect to teach.

Practicum in Teaching.

*One hour a week throughout the year.*

*(Given in each year.)*

This course of practice in teaching in the subjects in which the student wishes to teach will be conducted by the professors concerned.

Journal Club in Education, Dr. Gordon and Dr. Castro.

*One and a half hours once a fortnight throughout the year.*

*(Given in each year.)*

The instructors and students meet to report on and discuss recent reviews and articles and the results of special investigations are presented for comment and criticism.

## History of Art and Classical Archæology.

The instruction in this department is under the direction of Miss Dorothy Lamb, Lecturer in Classical Archæology, Miss Georgiana Goddard King, Lecturer in the History of Modern Art and Comparative Literature, and Dr. Mary Hamilton Swindler, Demonstrator and Reader (elect) in the History of Art and Classical Archæology, and an instructor whose appointment will be announced later.

The instruction offered in this department covers thirteen hours a week of lectures; it includes ten hours a week of undergraduate minor and major work and three hours a week of graduate work.

Two separate courses, each amounting to five hours a week, are given each year, one in the History of Art and one in Classical Archæology, and these are changed from year to year, giving a first and a second year or major course in each subject. Separate courses of two or three hours a week may be taken as free electives.

An archæological seminary of two hours a week throughout the year is offered to graduate students who have done elementary archæological work, and also a journal club meeting one and a half hours a fortnight.

In addition to the graduate seminary announced, other courses will be provided as need for them arises, and individual students will be directed in special work by means of private conferences.

## FIRST YEAR.

(Minor Course.)

Classical  
Archæology.

Classical Archæology.

Major  
Course.

Greek and Roman Architecture, Miss Lamb.

*Three hours a week throughout the year.*

(Given in 1912-13 and again in 1914-15.)

(May be taken as a free elective.)

The object of the course is to give the students a comprehensive knowledge of the art of building in Greece from the Neolithic to the Hellenistic age and in the case of Rome down to the early Christian era. Attention is paid to the results of the most recent excavations and the subject is studied in the light of literary authority and extant remains. An attempt is made to interest the students not only in the artistic aspects of the subject but in the simple mechanical problems and the manner in which they have been met. A brief study of Egyptian buildings is made at the beginning of the course.

Introduction to the study of Archæology, Miss Lamb.

*One hour a week throughout the year.*

(Given in 1912-13 and again in 1914-15.)

(May be taken as a free elective.)

In the first semester the various stages of development in Greek and Roman art are studied. Numismatics forms the material of the work in the second semester.

Lectures on Roman Life, Dr. Frank.

*One hour a week throughout the year.*

(Given in each year.)

(May be taken as a free elective.)

An attempt is made to describe briefly Roman social and economic conditions, as well as the development of religious beliefs and institutions.

## SECOND YEAR

(Minor Course.)

Classical Archæology.

Greek and Roman Sculpture.\*

*Three hours a week throughout the year.*

(Given in 1913-14 and again in 1915-16.)

(May be taken as a free elective.)

The course consists of a study of the development of Greek sculpture from its beginning to the end of the Hellenistic period. The last six weeks of the second semester are devoted to a survey of Roman Sculpture. The course is illustrated with lantern slides.

Greek Painting, Dr. Swindler.

*Two hours a week throughout the year.*

(Given in 1913-14.)

(May be taken as a free elective.)

The course consists of a survey of Greek painting with special attention to vase painting. The course begins with an introduction on the Cretan frescoes and closes with a discussion of Pompeian wall paintings.

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\* This course will be given by an instructor whose appointment will be announced later.

## FIRST YEAR.

*(Minor Course.)**History of Art.**History of Art.*

Italian Painting of the Renaissance from the Middle of the Thirteenth to the Middle of the Sixteenth Century, Miss King.

*Major Course.**Three hours a week throughout the year.**(Given in 1912-13 and again in 1914-15.)**(May be taken as a free elective.)*

In the first semester the Italian Primitives are studied, chiefly in the schools of Florence, Siena, and Umbria; in the second semester the painters of the High Renaissance, with special attention to those of Venice and the north of Italy. The course is illustrated with photographs and lantern slides.

Renaissance Sculpture, Miss King.

*Two hours a week throughout the year.**(Given in 1912-13 and again in 1914-15.)**(May be taken as a free elective.)*

The first semester is devoted to the sculpture of the Italian Renaissance, the second chiefly to Northern art, and in especial to figure sculpture in France from the building of the Cathedrals to the close of the Renaissance. The great sculptors of Germany and Spain will also be noticed. The course is illustrated with photographs and lantern slides.

## SECOND YEAR.

*(Minor Course.)*

Painting in the Seventeenth and Eighteenth Centuries, Miss King.

*Three hours a week throughout the year.**(Given in 1913-14 and again in 1915-16.)**(May be taken as a free elective.)*

In the first semester the Dutch and Flemish painters will be studied, in the second semester the French, Spanish, and English. The course begins with a short consideration of the Primitives in France and the Low Countries and ends with the earlier English schools of landscape and portrait painting. The course is illustrated with photographs and lantern slides.

Gothic Architecture, Miss King.

*Two hours a week throughout the year.**(Given in 1913-14 and again in 1915-16.)**(May be taken as a free elective.)*

The first semester is devoted to Romanesque and pointed architecture in Italy and Germany, with special attention to the introduction of Gothic into Italy by the Cistercians, and the second semester to the development of Gothic in France and Spain with parallels from English ecclesiastical architecture. The course is illustrated with photographs and lantern slides.

## GRADUATE COURSES.

Three hours a week of seminary work and graduate lectures are offered each year to graduate students of archæology accompanied by the direction of private reading and original research, and the courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are

*Graduate Courses.*



collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the minor and elective courses of the department amounting to ten hours a week may be elected by graduate students.

Archæological Seminary, Miss Lamb. *Two hours a week throughout the year.*

*(Given in each year.)*

This course is open only to graduate students who have had some previous training in classical archæology. The order of the subjects may be changed in accordance with the needs of the students.

In 1912-13 Minoan culture is the subject of the first semester's work. The art and industry of the period are studied in the light of excavations recently conducted upon various sites in Crete, the Cyclades, Troy and the mainland of Greece. In the second semester the topography, monuments and mythology of the Acropolis of Athens are studied.

In 1913-14 Roman architecture and topography will be the subjects of the seminary in the first semester and Greek vases of the fifth century will be studied in the second semester.

In 1914-15 Greek and Roman coins will be studied in the first semester and Greek and Roman sculpture will be the subject of the seminary in the second semester.

Archæological Journal Club, Miss Lamb.

*One and a half hours once a fortnight throughout the year.*

*(Given in each year.)*

The graduate students and the instructors meet for the presentation and discussion of topics of current archæological literature.

## Mathematics.

The instruction in this department is under the direction of Dr. Charlotte Angas Scott, Professor of Mathematics, and Dr. James Ryals Conner, Associate in Mathematics. The instruction offered in mathematics covers twenty-three and a half hours of lectures and recitations a week, in addition to the time devoted to the seminary work in the graduate department; it includes ten hours a week of undergraduate minor and major work, five hours a week of free elective work, four hours a week of post-major work open only to graduates and to undergraduates who have completed the major course in mathematics, and four and a half hours a week of graduate work.

In the major course the students are able to gain a fair knowledge of the principal subjects belonging to the department of pure mathematics. The points of contact of mathematics with other branches of mental and physical science are indicated as far as possible throughout the course, special attention being paid to the nature of mathematical reasoning, and to the true relation and mutual dependence of mathematics and physics. The course of lectures on the history of mathematics in the

second year is intended to give an outline of the development of the subject from its beginning to 1700 A.D.

The two hour course in trigonometry included in the first semester of the minor course in mathematics may be taken separately as a free elective or may be counted as a part of the year of mathematics which may be taken as an alternative for the second year of required science. It is required for admission to the major course in physics. An examination for advanced standing may be taken by those who do not wish to attend the course and yet wish to elect the minor course in mathematics or the major course in physics.

*Preparatory Course.*

#### FIRST YEAR.

*(Minor Course.)*

##### 1st Semester.

*(Given in each year.)*

Analytical Conics, Dr. Scott.

*Three hours a week.*

Trigonometry, including Series, Dr. Scott.

*Two hours a week.*

The course in trigonometry may be taken separately as a free elective. The course in analytical conics may be taken separately by those students only who have passed the examination for advanced standing in trigonometry.

*Major Course.*

##### 2nd Semester.

Elementary Differential and Integral Calculus, Dr. Conner.

*Three hours a week.*

Algebra and Theory of Equations, Dr. Conner.

*Two hours a week.*

The three hour and two hour courses in this semester may not be elected separately.

#### SECOND YEAR.

##### 1st Semester.

*(Given in each year.)*

Differential and Integral Calculus and Differential Equations, Dr. Conner.

*Three hours a week.*

Theory of Equations, Determinants, Dr. Conner.

*Two hours a week.*

##### 2nd Semester.

Curve Tracing, History of Mathematics, Dr. Scott.

*Three hours a week.*

Analytical Geometry of two and three Dimensions, Dr. Scott.

*Two hours a week.*

The three hour and two hour courses in each semester may not be elected separately.

*Group:* Mathematics with Greek, or with Latin, or with Philosophy, or with Psychology, or with Philosophy and Psychology, or with Physics, or with Chemistry, or with Geology, or with Biology.

## FREE ELECTIVE COURSES.

**Free  
Elective  
Courses.****Fundamental Theorems of Algebra and Geometry, Dr. Scott.***One hour a week throughout the year.**(Given in 1912-13 and again in 1914-15.)*

Certain standard problems of historical interest are considered in order to elucidate some of the fundamental principles of mathematics. Either semester may be taken separately. No knowledge of mathematics beyond the requirements for matriculation is presupposed. It is hoped that the work will prove useful not only to students electing mathematics as a major, but also to those intending to teach elementary mathematics. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

**Graphic Mathematics, Dr. Scott.***One hour a week throughout the year.**(Given in 1913-14 and again in 1915-16.)*

The course deals with statistical work, probability, and theory of errors. It is recommended to students of economics as well as to students of physics. No knowledge of mathematics beyond the requirements for matriculation is presupposed. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

**Mathematics Preparatory to Science.***Two hours a week throughout the year.**(Given in each year when the time of the department permits.)*

This course deals chiefly with parts of the differential and integral calculus, trigonometry, analytical geometry, and differential equations. Some problems in probability are also considered. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

**Descriptive Astronomy, Dr. Conner.***Two hours a week throughout the year.**(Given in 1913-14.)*

The subject will be treated from an elementary point of view. Such advanced mathematics as seems desirable will be developed in the lectures. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

## POST-MAJOR COURSES.

**Post-  
Major  
Courses.**

The post-major courses in mathematics are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to mathematical studies differs in different colleges, graduate students frequently find it advisable to elect some of these courses. Regular written work is expected from all mathematical students, and a reading knowledge of French and German is presupposed.

The post-major courses in any one year amount to four or five hours a week. The courses given are the following, with occasional modifications.

I. (a.) Lectures introductory to Modern Analytical Geometry, in connection with Salmon's *Conic Sections* and Scott's *Modern Analytical Geometry*.

or I. (b.) Lectures on Modern Pure Geometry.



or I. (c.) Lectures on Special Topics in Geometry, such as Homogeneous Coordinates, Circular Coordinates, Families of Curves, certain Transcendental Curves, Geometrical Transformations, etc.

Special permission to take the course I (c) before completing the two years of the major course may be granted to students whose work in the major course has shown that they are able to profit by the lectures.

II. (a.) Lectures Introductory to Modern Algebra, in connection with Salmon's *Modern Higher Algebra*, and Elliott's *Algebra of Quantics*.

or II. (b.) Lectures preparatory to the Theory of Functions, in connection with Harkness and Morley's *Introduction to the Theory of Analytic Functions* and Chrystal's *Algebra*, Vol. II.

or II. (c.) Lectures on Differential Equations, ordinary and partial.

or II. (d.) A general course in Analysis, dealing with the higher development of subjects only touched upon in the major course, such as Determinants, Fourier's Series, Infinite Series, Definite Integrals, etc.

In 1912-13 the following post-major courses are offered:

- |                      |  |
|----------------------|--|
| I. (b.) Dr. Scott.   | <i>Two hours a week throughout the year.</i> |
| II. (c.) Dr. Conner. | <i>Two hours a week throughout the year.</i> |

In 1913-14 the following post-major courses are offered:

- |                      |  |
|----------------------|--|
| I. (a.) Dr. Scott.   | <i>Two hours a week throughout the year.</i> |
| II. (b.) Dr. Conner. | <i>Two hours a week throughout the year.</i> |

In 1914-15 the following post-major courses are offered:

- |                      |  |
|----------------------|--|
| I. (b.) Dr. Scott.   | <i>Two hours a week throughout the year.</i> |
| II. (d.) Dr. Conner. | <i>Two hours a week throughout the year.</i> |

#### GRADUATE COURSES.

Four and a half hours a week of seminary work and graduate lectures are offered each year to graduate students of mathematics accompanied by the direction of private reading and original research. The courses vary from year to year so that they may be pursued by candidates for the degree of Doctor of Philosophy for three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to four hours a week may be elected by graduate students.

#### Graduate Courses.

Special Algebraic Curves, Dr. Scott. *Two hours a week throughout the year.*

(Given in 1912-13.)

The first part of the course is devoted to a discussion of properties of cubic and quartic plane curves. Later in the year other classes of curves are taken into account and important individual curves treated in detail.

## Theory of Surfaces, Dr. Scott.

*Two hours a week throughout the year.**(Given in 1913-14.)*

In this course a general knowledge of plane algebraic curves and the elements of solid analytical geometry is presupposed. During the first semester the simpler properties of non-singular surfaces and projective properties of curves and developables are taken up; the classification of curves, the properties of ruled surfaces, and singularities of surfaces in general are treated in the second semester.

## The Topology of Algebraic Curves, Dr. Scott.

*Two hours a week throughout the year.**(Given in 1914-15.)*

This course deals with the visible properties of plane algebraic curves, the number, nature and relation of the real components of singularities; the number, nature and arrangement of the distinct circuits; and also, though in less detail, with similar investigations relating to curves in space.

## Theory of Numbers, Dr. Conner.

*Two hours a week throughout the year.**(Given in 1912-13.)*

This course is devoted to the theory of integers in the rational and in algebraic realms. Such allied subjects as the theory of the division of the circle and linear groups are given in as much detail as time allows.

## Theory of Groups, Dr. Conner.

*Two hours a week throughout the year.**(Given in 1913-14.)*

The theory of abstract finite groups will first be developed. Permutation and substitution groups will be taken up and applications to the theory of equations and to geometry will be discussed.

## Calculus of Variations, Dr. Conner.

*Two hours a week throughout the year.**(Given in 1914-15.)*

The foundations of the subject will be laid with careful attention to mathematical rigour. Numerous problems chosen from a wide range of subjects will be proposed and investigated.

## Mathematical Journal Club, Dr. Scott, Dr. Conner.

*One hour a fortnight throughout the year.*

The journal club holds fortnightly meetings at which reports on special topics or memoirs are presented by the instructors and the graduate students.

## SCIENCE.

## Physics, Chemistry, Geology, Biology.

Professors and instructors: Dr. Florence Bascom, Dr. William B. Huff, Dr. David Hilt Tennent, Dr. James Barnes, Dr. Frederick Hutton Getman,\* Dr. Thomas Clachar Brown, Dr. Roger Frederick Brunel, Dr. Don Rosco Joseph, Dr. Harriet Randolph, Miss Mabel Frehafer, and Dr. Annie Louise Macleod.

In January, 1893, the trustees opened Dalton Hall, a large building containing ample laboratories, lecture-rooms, research-

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\* Granted leave of absence for the year 1912-13.

rooms, special libraries, and professors' rooms for the work of the scientific departments. The physical, chemical, and biological laboratories are open to students from nine to six daily.

The attention of graduates of medical colleges and of undergraduate and graduate students intending to take the degree of Doctor of Medicine is called to the facilities offered by the laboratories, and to the resolutions of the Trustees of the Johns Hopkins University in regard to the admission of students to the Medical School of that University, which opened in the autumn of 1893, and has from the first admitted women on the same terms as men.\*

The value of a practical knowledge of biology and chemistry as preliminary or accessory to the professional study of medicine is generally recognised. Through the courtesy of the Woman's Medical College of Pennsylvania, allowance is made in its professional courses for work carried on at Bryn Mawr in the scientific laboratories. Students of Bryn Mawr College that have completed major courses in chemistry and biology are released from the primary, or first year's examination in this college, and from laboratory practice in chemistry and biology. The courses of Bryn Mawr College in physics, chemistry, and biology correspond to those of the Johns Hopkins University, and it is easy for a student to elect a course corresponding exactly to the

\* RESOLUTIONS ADOPTED BY THE BOARD OF TRUSTEES OF THE JOHNS HOPKINS UNIVERSITY, ON FEB. 6TH, 1893.

"A course of four years' instruction will be provided leading to the degree of Doctor of Medicine.

To this course there will be admitted as Candidates for the degree:

1. Those who have satisfactorily completed the Chemical-Biological Course which leads to the A.B. degree in this University.
2. Graduates of approved Colleges or Scientific Schools who can furnish evidence: (a) That they have acquaintance with Latin and a reading knowledge of French and German; (b) That they have such knowledge of Physics, Chemistry, and Biology as is imparted by the regular minor courses† given in these subjects in this University.
3. Those who give evidence by examination that they possess the general education implied by a degree in arts or in science from an approved college or scientific school and the knowledge of French, German, Latin, Physics, Chemistry, and Biology above indicated."

† By a minor course is understood one that requires one year for its completion. In the languages, the course involves five class-room exercises a week; in Physics, four class-room exercises and three hours a week in the laboratory; in Chemistry, a course in general chemistry for one year with five hours of laboratory work a week; and in Biology, the instruction must include a year's laboratory course of six or more hours a week.



Preliminary Medical Course of the Johns Hopkins University. Every effort is made to enable students of medicine to complete the studies necessary to their purpose in the shortest possible time.

### Physics.

The instruction in this department is under the direction of Dr. William B. Huff, Professor of Physics, Dr. James Barnes, Associate Professor of Physics, and Miss Mabel Kathryn Frehafer, Demonstrator in Physics. The instruction offered in physics covers twenty hours of lectures a week; it includes ten hours a week of undergraduate minor and major work, three hours a week of free elective work, three hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in physics; and four hours a week of graduate lectures and seminary work.

The first year of the major course deals principally with the development of physical facts and is accordingly mainly experimental and descriptive in its nature. A wide range of physical phenomena and the elements of physical theories are treated. The course is planned to cover the whole subject from this point of view so as to give those who do not intend to pursue physics further, such a knowledge of its principles as will enable them to follow its recent development and applications, and also to provide those electing physics as a group with a good foundation for more advanced work. No knowledge of physics is presupposed. In the second year the course is intended to serve as an introduction to the theories to which experimental evidence has led. The treatment is accordingly more mathematical than in the first year, but the experimental side of the subject is still emphasised. A knowledge of trigonometry is required, and some familiarity with the methods of the calculus will be of assistance.

#### FIRST YEAR.

(*Minor Course.*)

1st Semester.

(*Given in each year.*)

**Major  
Course.**

Mechanics, Heat, Sound, and Properties of Matter, Dr. Huff.

*Five hours a week.*

Laboratory Work, Dr. Huff and Miss Frehafer.

*Four hours a week.*

*2nd Semester.*

Electricity, Magnetism, and Light, Dr. Barnes.

*Five hours a week.*

Laboratory Work, Dr. Barnes and Miss Frehafer.

*Four hours a week.*

The instruction in this course is given by means of lectures, daily oral quizzes, occasional written quizzes, regular problem papers, and required private reading. Students are expected to use, in connection with the lectures, text-books on the special part of the subject under discussion; at present Crew's *General Physics* is used for reference; also the text-books of Ames and Glazebrook. The lectures are illustrated throughout by means of the lantern, by demonstrations on the lecture table, and by the exhibition of apparatus, etc.

In the laboratory, the students are first instructed in the methods of accurate measurement of the simple quantities, length, time, and mass; later, they make a series of determinations, mainly quantitative, on the part of the subject under discussion in the lecture room at the time. Ames and Bliss's *Manual of Experiments in Physics* is found useful as a reference work for part of this course. A system of laboratory lectures has also been developed to supplement the class-room work, to point out sources of error and their treatment, to demonstrate methods of manipulation, and, in general, to give directions for working which are applicable to the class as a whole; they are given at the beginning of each week's laboratory work. The object of the work is to familiarise the students with the instruments and methods used in physical measurements, with special reference to the quantitative laws upon which the science is based. The laboratory is equipped with this object in view, and the apparatus is all of the most modern design.

## SECOND YEAR.

*1st Semester.**(Given in each year.)*

Theoretical Mechanics, Theory of Light, Dr. Barnes.

*Five hours a week.*

Laboratory Work, Dr. Barnes and Miss Frehafer.

*Four hours a week.**2nd Semester.*

Theory of Heat, Theory of Electricity and Magnetism, Dr. Huff.

*Five hours a week.*

Laboratory Work, Dr. Huff and Miss Frehafer.

*Four hours a week.*

The instruction is given by lectures, supplemented by the discussion of weekly problem papers; the text-books mentioned below indicate the character of the ground covered, and form the basis of the lectures. An endeavour is made to bring the students into contact with the work of original investigators.

The general text-book used is Watson, *Physics*; the books used in special subjects are as follows: heat: Maxwell, *Theory of Heat*, Preston, *Theory of Heat*; dynamics: selections from Tait and Steele's *Dynamics of a Particle*, Jeans's *Theoretical Mechanics*; and special lectures dealing with the applications of dynamics to physical problems; electricity and magnetism: J. J. Thomson, *Elements of the Mathematical Theory of Electricity and Magnetism*; optics, physical and geometrical: Preston, *Theory of Light*, Edser, *Light*.

The laboratory work of the second year is designed to follow and illustrate the subject-matter of the lectures. The student is taught the use of accurate instruments and the methods of physical investigation. A special study is made of the sources and amounts of the errors involved in the different operations, and the problems assigned are adapted as far as possible to the requirements and wishes of the individual students.

*Group: Physics with Philosophy, or with Mathematics, or with Chemistry, or with Geology, or with Biology.*

## FREE ELECTIVE COURSES.

**Free  
Elective  
Courses.**

Physical Basis of Music, Dr. Huff.

*One hour a week throughout the year.**(Given in 1912-13.)*

In the lectures of this course it is planned to present some of the physical principles illustrated in the construction of musical instruments and underlying the general theory of music. Private reading is assigned.

Historical Development of Physics, Dr. Huff.

*One hour a week throughout the year.**(Given in 1913-14 and again in 1915-16.)*

The work of this course consists of lectures, required reading, and class-room discussions. The lectures give an elementary presentation of some of the more important ideas and results of physics. The reading is intended to supplement the lectures and to provide additional material for general discussion. The course is open to students who have had a minor course in science or its equivalent.

Astrophysics, Dr. Barnes.

*Two hours a week throughout the year.**(Given in 1913-14 and again in 1915-16.)*

This course consists of lectures on the application of physical principles and methods to the study of the composition, structure, and motions of the heavenly bodies. Clarke's *Problems in Astrophysics*, Darwin's *The Tides*, and selected chapters in Moulton's *Celestial Mechanics* will be read and discussed. The course is open to students who have taken the minor course in physics or the minor course in mathematics or courses equivalent to these.

## POST-MAJOR COURSES.

**Post-  
Major  
Courses.**

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. A knowledge of differential and integral calculus is required. These lectures deal not only with the theoretical development of the subject, but great stress is laid on the important experimental work which has been done in it, and methods and results are criticised and opportunities for further investigation pointed out. The object of the courses is to prepare students to undertake independent work. The laboratory work is planned with this object in view and is arranged to meet the special needs of each individual student. Graduate students may be permitted to take the lectures without the laboratory work. In addition to the laboratory work which accompanies the lectures a student may take extra laboratory work sufficient to make the courses equivalent to five hours a week.

General Optics, Dr. Barnes.

*Three hours a week throughout the year.**(Given in 1912-13.)*

These lectures give a general discussion of the theories advanced to explain many phenomena in light. Students are required to have a good knowledge of elementary optics and to be sufficiently familiar with optical apparatus to undertake a detailed study of some special problem.

Properties of Matter, Dr. Huff.

*Three hours a week during the first semester.**(Given in 1913-14.)*



The lectures cover the general subject of the properties of matter studied from the point of view of the Molecular Theory. The different theories of matter are discussed and an account of recent investigations concerning the relations of matter and electricity is given. Poynting and Thomson's *Properties of Matter* is read in connection with the course.

Theory of Sound, Dr. Huff.

*Three hours a week during the second semester.*

*(Given in 1913-14.)*

The lectures form an introduction to the theory of modes of vibration of pipes, strings, and rods. The theory of music and of musical instruments is then studied. Poynting and Thomson's *Sound* is used during the earlier part of the course, and frequent references are made to Helmholtz and Rayleigh.

Spectroscopy, Dr. Barnes.

*Three hours a week throughout the year.*

*(Given in 1914-15.)*

The course begins with a complete discussion of the apparatus used in this subject; the results of past and present investigations are then considered, and problems for investigation are pointed out. The many important applications of spectroscopy to astronomy are not neglected. The standard book of reference is Kayser's *Handbuch der Spectroscopie*. Detailed reports of laboratory investigations are required.

Electricity and Magnetism, Dr. Huff.

*Three hours a week throughout the year.*

*(Given in 1915-16.)*

The lectures of this course treat typical mathematical and experimental problems chosen from the various parts of the entire subject. A large number of problems on potential and attraction are assigned.

#### GRADUATE COURSES.

Four hours a week of seminary work and graduate lectures are offered each year to graduate students of physics accompanied by the direction of private reading, laboratory work and original research, and these courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to three hours a week may be elected by graduate students.

#### **Graduate Courses.**

Mathematical Theory of Electricity and Magnetism, Dr. Huff.

*Three hours a week throughout the year.*

*(Given in 1912-13.)*

The lectures are based on Maxwell's standard work, and include a general account of the later development of the theory. This course was given as a post-major course in 1912-13.

Thermo-dynamics and Radiation, Dr. Barnes.

*Three hours a week throughout the year.*

*(Given in 1913-14.)*

The modern developments of thermo-dynamics and radiation are considered. Attention is paid to the application of the laws of thermo-dynamics in physical chemistry.

Radioactivity and Discharge of Electricity through Gases, Dr. Huff.

*Three hours a week during the first semester.*

*(Given in 1914-15.)*

The earlier lectures treat of the effect of fields on the path of a moving charged particle. A discussion of typical experimental methods of measuring velocity and the ratio of charge to the mass follows. After a study of the phenomena of electrical discharge and of radio-activity a brief account of theories is given.

Electron Theory, Dr. Huff.

*Three hours a week during the second semester.*

*(Given in 1914-15.)*

The mathematical development of the subject is presented in the lectures, with special reference to experimental tests of theory.

Physical Optics, Dr. Barnes.

*Three hours a week throughout the year.*

*(Given in 1915-16.)*

This course gives a general mathematical discussion of physical optics. Students are expected to give detailed reports on the methods and results of investigations which illustrate the theory. When it seems desirable two and a half hours of experimental work will be substituted for one hour of the lecture course.

Physical Journal Club, Dr. Huff and Dr. Barnes.

*One hour a week throughout the year.*

*(Given in each year.)*

The advanced students and the instructors meet to hear reports and discuss recent scientific articles.

Laboratory Work, Dr. Huff and Dr. Barnes.

The laboratory work is arranged for the purpose of familiarising the student with methods of research; the student begins by repeating methods and investigations of well-known experimenters, with any modifications that may be suggested, passing on to points of investigation left untouched by previous experimenters, and finally to the study of new methods and the prosecution of original research. Students taking physics as their chief subject for the degree of Doctor of Philosophy are expected to spend all the time possible in work in the laboratory. The laboratory is provided with special rooms for magnetic, optical and electrical work, and in the basement is a constant-temperature vault designed for accurate comparison of lengths, etc. The stock of apparatus is being added to yearly. A well-equipped shop and trained mechanics make it possible to construct special forms of apparatus designed for research.

## Chemistry.

The instruction in this department is under the direction of Dr. Roger Frederic Brunel, Associate in Chemistry, Dr. Frederick Hutton Getman, Associate in Chemistry, and Dr. Annie Louise Macleod, Reader and Demonstrator in Chemistry. The instruction offered in chemistry covers twenty-one hours of lectures a week; it includes ten hours a week of undergraduate major and minor work, six hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in chemistry, and seven hours a week of graduate work.

The first year's work, or minor course, is a general introduction to the subject. Lectures are given in both inorganic and

organic chemistry, making an elementary course that is complete in itself.

In the second year particular attention is paid to the quantitative side of chemical phenomena. The lectures are mainly on theoretical and organic chemistry.

The post-major courses are intended to prepare students for independent work, particular attention being paid to laboratory methods.

#### FIRST YEAR.

(*Minor Course.*)

##### 1st Semester.

(*Given in each year.*)

Introduction to General Chemistry, Dr. Brunel.

*Five hours a week.*

Laboratory Work, Dr. Brunel and Dr. Macleod.

*Four hours a week.*

**Major  
Course.**

The course does not presuppose any knowledge of chemistry. In the class-room the nature of chemical action is taught by lectures that are illustrated by a series of experiments in which the more important substances are made and transformed, the time being spent largely on the non-metals. Throughout the semester the lectures and the laboratory work are complementary. The laboratory work of each day is outlined in the lecture, sufficient instruction being given to enable the students to observe intelligently. After all the experiments on a given subject have been made the results are discussed in the class-room.

##### 2nd Semester.

The Chemistry of the Metals, Dr. Macleod.

*Three hours a week.*

Laboratory Work, Dr. Macleod.

*Four hours a week.*

This course deals with the properties of the more important metallic elements and their compounds. The methods of separation employed in the laboratory are discussed, and the fundamental principles upon which these methods of separation are based are emphasised. The lectures are supplemented by required private reading.

The laboratory work consists of qualitative analyses. The students are first taught to identify the acids and bases in simple salts; later, they are required to carry out complete analyses of minerals and metallurgical products.

Introduction to Organic Chemistry, Dr. Macleod.

*Two hours a week.*

This course is designed to meet the needs of students who take only one year of chemistry; but the material is so selected that it serves as an introduction to the more systematic course given in the second year. An effort is made to make clear the relation that exists between the arrangement of the atoms in the molecule and the behavior of chemical substances; and to give some understanding of the processes of reasoning by which the structure of the simpler organic compounds is determined.

#### SECOND YEAR.

##### 1st Semester.

(*Given in each year.*)

Lectures on Elementary Theoretical Chemistry, Dr. Getman.

*Five hours a week.*

In this course chemical facts are considered from the point of view of common and exact relations and from these relations the laws and theories of chemistry are developed. Special attention is paid to the atomic theory, the laws of gases, the theory of solutions and simple equilibria.



## Laboratory Work, Dr. Getman.

*Four hours a week.*

The laboratory work consists of quantitative analyses. Each exercise is important in itself and illustrates some principle or involves some manipulation of general application in analytical work.

**2nd Semester.**

## Organic Chemistry, Dr. Brunel.

*Five hours a week.*

This course presupposes a knowledge of the elements of organic chemistry as given in the first year. The methods of preparation and typical reactions of the simpler classes of compounds are first briefly reviewed and entered into more thoroughly than in the minor course. The constitution and synthesis of the more important classes of compounds, such as the sugars, the purine group, the diazo-compounds, etc., are taken up.

## Laboratory Work, Dr. Brunel and Dr. Macleod.

*Four hours a week.*

The laboratory work is devoted to organic preparations. Simple representatives of the more important classes of organic compounds are first prepared and their typical reactions studied. After a familiarity with the methods of dealing with organic substances has been gained, syntheses of a few of the more complex organic compounds are carried out.

**Group:** Chemistry with Mathematics, or with Physics, or with Geology, or with Biology.

## POST-MAJOR COURSES.

**Post-Major Courses.**

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

## Organic Chemistry, selected topics, Dr. Brunel.

*One hour a week throughout the year**(Given in each year.)*

The object of this course is to lay the foundation for independent work in organic chemistry. The lectures deal with organic problems at present under investigation, their development being followed up to the present time. Students are required to take with this course four and a half hours of laboratory work, making the course equivalent to a two hour lecture course.

The laboratory work is varied to meet the needs of the individual students. In general, the student begins with the preparation of some of the more important substances that are discussed in the lectures. This is followed by organic analyses, molecular weight determinations, and the transformations necessary to establish the structural formulas of the substances prepared.

## Physical Chemistry, Dr. Getman.

*Two hours a week throughout the year.**(Given in each year.)*

The aim of the lectures is to extend the student's knowledge of theoretical and physical chemistry and to lay a foundation for independent work in this subject. The lectures are intended to give a general outline of the subject, the following topics being discussed: fundamental theories of chemistry; the periodic classification; the corpuscular theory of matter; the laws of gases, liquids and solids; osmotic pressure and dilute solutions; colloidal solutions; thermochemistry; homogeneous and heterogeneous equilibria; chemical kinetics; electrochemistry; actinochemistry, and radiochemistry. The solution of a large number of problems will be required.

The laboratory amounting to four and a half hours a week is designed to prepare the student for physico-chemical research.

Inorganic Chemistry, Dr. Getman.

*One hour a week throughout the year.*

*(Given in each year.)*

Selected topics in inorganic chemistry are discussed in detail, and parallel reading is required. In the laboratory work of four and a half hours a week advanced quantitative analyses are included.

Chemistry of the Enzymes, with special reference to bacterial processes,  
Dr. Macleod.

*Two hours a week throughout the year.*

This course is intended on the one hand for students who wish to teach chemistry and bacteriology, and on the other for those who desire to fit themselves for work in Public Health laboratories. It will consist of lectures, reports on assigned private reading, and laboratory work. While dealing primarily with the enzymes and the chemical reactions in which they play a part, special topics may be added to meet the requirements of individual students. Three hours laboratory work will be required.

#### GRADUATE COURSES.

Seven hours a week of seminary work and graduate lectures are offered each year to graduate students of chemistry accompanied by the direction of private reading, laboratory work, and original research. The lecture courses are varied from year to year to meet the requirements of students and to form a consecutive course for those who wish to make chemistry the chief subject in the examination for the degree of Doctor of Philosophy. Such students may specialise either in organic chemistry, under the direction of Dr. Brunel, or in physical chemistry, under the direction of Dr. Getman, but students who make organic chemistry the major subject of examination must take physical chemistry as one of their minor subjects, and students who make inorganic chemistry the major subject, must take organic chemistry as one of their minor subjects. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to three hours a week may be elected by graduate students.

#### *Graduate Courses.*

Chemical Seminary, Organic Chemistry, Dr. Brunel.

*One hour a week throughout the year.*

*(Given in each year.)*

The students who specialise in organic chemistry present formal reports upon assigned topics.

Chemical Seminary, Inorganic Chemistry, Dr. Getman.

*One hour a week throughout the year.*

*(Given in each year.)*

The course consists of lectures, required reading, and reports on various topics. The needs of the individual students are considered in selecting the subjects for discussion.

Physical Chemistry, Dr. Getman.

*Two hours a week throughout the year.*

*(Given in each year.)*

In the lectures no attempt is made to give a general survey of the subject, but certain selected portions of the science are treated in detail and the student is made familiar with problems of current interest.

Advanced Organic Chemistry, Dr. Brunel.

*Two hours a week throughout the year.*

*(Given in each year.)*

Chemical Journal Club, Dr. Brunel, Dr. Getman, and Dr. Macleod.

*One hour a week throughout the year.*

The advanced students and the instructors meet to hear reports and discuss recent scientific articles.

## Geology.

The instruction in this department is under the direction of Dr. Florence Bascom, Professor of Geology, and Dr. Thomas Clachar Brown, Associate in Geology.

The instruction offered in geology covers twenty hours of lectures a week; it includes ten hours a week of undergraduate major and minor work, three free elective courses of one and two hours a week respectively, six post-major courses of three hours a week open only to graduates and to undergraduates that have completed the major course in geology, and six graduate courses of one, three, and five hours a week respectively, but all these courses will not be given in the same year.

The first year of the major course in geology is arranged to give a general survey of two divisions of the science and at the same time to introduce the student to the larger field of geology. It may be taken as a free elective or as a year of required science or as the first year of the group course in geology. The purpose of the course is to make clear to the student the present constitution, form, and evolution of the earth's crust, to promote keen and accurate observation of natural phenomena, and to give some insight into the nature of geological problems.

The second year of the major course deals with the rocks and minerals of the earth's crust, and also affords training in structural geology.

Post-major courses in petrography and palæontology are offered in each year, and are designed to train the student in petrographic methods for the exact determination of rock species and rock families and in the principles of invertebrate and vertebrate palæontology. They are an essential preliminary to research work in the science.

Excellent illustrative material for the graduate and undergraduate courses is furnished by the geological collections of the



college, including the Theodore D. Rand rock and mineral collection, which alone contains over 20,000 specimens, by the private collections of the instructors, and by material lent by the United States Geological Survey. The department is also fortunate in its proximity to the museum of the Academy of Natural Sciences of Philadelphia. Within easy reach of the college are good collecting fields for fossil, mineral, and rock specimens.

#### FIRST YEAR.

(Minor Course.)

##### 1st Semester.

(Given in each year.)

Physiography, Dr. Bascom.

Five hours a week.

Field Work, Dr. Bascom.

Two hours a week.

Laboratory Work, Dr. Bascom.

Two hours a week.

**Major  
Course**

The lectures deal primarily with the character and action of the forces which control the landscape and with the features produced by physiographic processes; subordinately physiographic regions are discussed. The lectures are illustrated by photographs, lantern slides, geographical relief models, and maps. No text-book is used, but standard manuals are accessible for reference.

In the laboratory the student is occupied with a study of the development of physiographic forms. This is conducted with the use of Davis' *Atlas for Practical Exercises in Physical Geography* assisted by models, photographs, topographic maps, and natural illustrations.

For the field work, excursions are made into the immediate neighborhood on Mondays from 2 to 4 p.m. during the autumn and spring. As the course progresses, more extended excursions may be taken among the crystalline rocks of the South Mountain Range or the fossiliferous formations of the Coastal Plain. On all excursions instruction in field geology is given, areal mapping is accomplished, and reports of the areas covered are required of the students. Reading amounting to three hours will be required of students absent from a field trip. During the winter months laboratory work replaces the field excursions.

##### 2nd Semester.

Introduction to Historical Geology, Dr. Brown.

Five hours a week.

Field Work, Dr. Brown.

Two hours a week.

Laboratory Work, Dr. Brown.

Two hours a week.

The lectures deal with the evolution of continents and of life, and with the distribution and character of the various rock formations. Special attention is given to the development of life and to the theory of evolution.

In the laboratory the student becomes familiar with the typical flora and fauna of the successive geologic formations and with the development of the more important classes. The field work involves excursions to fossiliferous localities in the paleozoic formations of Pennsylvania, and to the mesozoic and cenozoic formations of New Jersey.

#### SECOND YEAR.

##### 1st Semester.

(Given in each year.)

Megascopic Petrology, Dr. Brown.

Five hours a week.

Field Work, Dr. Brown.

Two hours a week.

**Laboratory Work, Dr. Brown.***Two hours a week.*

The lectures discuss the materials which constitute the earth's crust; the chief precious stones, the principal rock-forming minerals and others of special economic importance are first described; the important rock types, sedimentary, igneous, and metamorphic are described and their relations shown. The course closes with a discussion of the phenomena and principles of vulcanism and seismology. The lectures are illustrated by mineral and rock specimens, photographs, lantern slides, and wooden models.

In the laboratory crystal forms, rock-forming minerals, and rock types are systematically studied.

Field excursions are made to mineral localities in the vicinity of the college.

*2nd Semester.***Glaciology and Structural Geology, Dr. Bascom.***Five hours a week.***Field Work, Dr. Bascom.***Two hours a week.***Laboratory Work, Dr. Bascom.***Two hours a week.*

The lectures treat of the evidences, conditions, work, and causes of the glacial period; the development of man; the causes and effects of earth movements; hypotheses of the origin and of the age of the earth. The course is illustrated with models, photographs, and lantern slides.

In the laboratory topographic maps and models illustrating features due to glaciation and geologic folios, maps, and models illustrating geologic structures are studied. Practice is given in topographic mapping from models, in modeling from topographic maps, and in drawing structure sections.

The field work of the first semester is continued and training in topographic mapping may also be given.

**Group: Geology with Mathematics, or with Physics, or with Chemistry, or with Biology.**

**FREE ELECTIVE COURSES.*****Free  
Elective  
Courses.*****Cosmogony, Dr. Bascom.***One hour a week throughout the year.**(Given in 1912-13 and in each succeeding year if the time of the department permits.)*

The work of the course is conducted by means of lectures, required reading and classroom discussion. The lectures treat of the origin of the earth, the growth of the continents and the development of landscape, and are illustrated by lantern slides. The reading is intended to supplement the lectures and to furnish further material for discussion. The course is intended to give a survey of the more important results reached by geological research.

**Evolution of the Vertebrates, Dr. Brown.***Two hours a week during the first semester.**(Given in each year.)*

This course consists of lectures illustrated by charts, diagrams, lantern slides and photographs. It gives a comprehensive outline of the evolution of the vertebrates from the earliest appearance of representatives of this group to the beginning of the Cenozoic era. The vertebrate phylum not only contains the highest types of animal life but is the only phylum which has gone through the whole of its evolution since the beginning of geological history as recorded in the fossil-bearing rocks. The course will consider first those primitive types which perhaps represent ancestral vertebrate forms and then will consider in the order of their appearance the five great classes of Fishes, Batrachians, Reptiles, Birds, and Mammals.

## Evolution of the Mammals, Dr. Brown.

*Two hours a week during the second semester.*

*(Given in each year.)*

This course is a continuation of the preceding. The rise and development of the mammals will be followed in considerable detail, and an attempt will be made to show the relation between the types which were developed and their environment, including the geographic physiographic, and climatic factors as well as the surrounding animal and plant life.

### POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

### *Post-Major Courses.*

## Petrography, Dr. Bascom.

*Three hours a week throughout the year.*

*(Given in each year.)*

During the first semester the course deals with the principles of optical crystallography, with the practice of mineral determination by optical means, and with the petrographic characters of rock-forming minerals. In the second semester the textures, composition, characters, origin, geographic distribution, and geologic associations of the igneous rocks are subjects of study. Practice is given in the use of the quantitative chemical classification of igneous rocks. Special petrographic problems may be given to the students for independent solution.

## Invertebrate Paleontology, Dr. Brown.

*Three hours a week during the first semester.*

*(Given in each year.)*

The course presupposes a knowledge of historical geology. A systematic study is made of the various classes of invertebrate animals which are found in a fossil state. Special attention is given to the relations of these classes to each other as bearing on their origin and on the theory of evolution. Those classes which are of practical value to the stratigraphic geologist in determining the geologic age of formations are dwelt upon at considerable length. Excursions are made to neighboring fossiliferous localities to collect fossils and to observe their occurrence in the rocks. The student has access, not only to the representative paleontological collection of Bryn Mawr College, but also to the large collections of the several academies and institutes in Philadelphia.

## Vertebrate Paleontology, Dr. Brown.

*Three hours a week during the second semester.*

*(Given in each year.)*

A systematic study is made of the vertebrate remains which have been found as fossils. Since the vertebrate organisms represent the highest phase of development to which the animal kingdom has attained, a study of their past history is of prime importance in elucidating some of the most fundamental principles in the evolution of life.

## Fossil Faunas, Dr. Brown.

*Three hours a week during the second semester.*

*(Given in each year.)*

This course is designed to be taken by those students who have completed the course in Invertebrate Paleontology, and who wish to become familiar with the methods of applying a knowledge of invertebrate paleontology to the problems of geology. It will treat in detail each of the successive faunas or assemblages of animal life which have developed since the opening of the Cambrian period. An attempt will be made to show that each



fauna was a direct response to the environment which surrounded it, and the probable geologic, physiographic, and climatic factors of this environment will be discussed. This course will be given when needed in the course in Vertebrate Paleontology.

Economic Geology, Dr. Brown.

*Two hours a week during the first semester.*

*(Given in 1913-14.)*

The lectures deal with the properties, occurrence, distribution, production, value, etc., of the more important non-metallic minerals such as coal, petroleum, building stones, clay, lime, calcareous cements, salines, gypsum, fertilizers, abrasives, asbestos, graphite, precious stones, and underground waters. The metallic ores such as iron, copper, lead, and zinc, silver-lead, gold and silver, and the minor metals will also be considered.

The Nature of Ore Deposits.

*Two hours a week during the second semester.*

*(Given in 1913-14.)*

The theories as to the origin of ore bodies and the nature of their occurrence in the more important mines of the world will be considered.

#### GRADUATE COURSES.

#### **Graduate Courses.**

The graduate courses in petrology and mineralogy should be preceded by the major and post-major courses or their equivalents and are intended primarily for graduate students wishing to make geology a major subject for the degree of Doctor of Philosophy. The graduate course in mineralogy is also intended to meet the needs of graduate students in chemistry who wish to make mineralogy a minor subject for the degree of Doctor of Philosophy. The graduate courses in stratigraphic geology and paleontology and paleogeography are designed primarily for graduate students wishing to make geology a major subject for the degree of Doctor of Philosophy; they may also be taken by graduate students in biology who wish to make paleontology a minor subject for the degree of Doctor of Philosophy. Further graduate courses in petrology and paleontology will be arranged to suit the requirements of candidates for the degree of Doctor of Philosophy and research problems will be assigned.

Students may specialise either in petrology and mineralogy, under the direction of Dr. Bascom, or in stratigraphic geology and paleontology, under the direction of Dr. Brown, but students who make petrology and mineralogy the major subject of examination must take stratigraphic geology and paleontology as one of the minor subjects and students who make stratigraphic geology and paleontology the major subject, must take petrology as one of the minor subjects.

No undergraduates are admitted to the graduate courses.

Seminary in Petrology, Dr. Bascom.

*One hour a week throughout the year.*

*(Given in each year.)*

This seminary will be conducted by means of informal discussions, required reading, and formal reports. The selection of subjects for discussion will depend upon the needs of the individual students.

Seminary in Stratigraphic Geology and Paleontology, Dr. Brown.

*One hour a week throughout the year.*

*(Given in each year.)*

The students who specialise in stratigraphic geology and paleontology present formal reports upon assigned topics.

### Petrology, Dr. Bascom.

*Five hours a week throughout the year.*

*(Given in each year.)*

The lectures deal with the problems of metamorphism of both aqueous and igneous rocks. The character of metamorphic processes and the conditions which control these processes; structures and textures; criteria determining the origin; classification; geographic distribution, and geologic occurrence of metamorphic rocks are treated. Direction is given in research work, map making and advanced field work. The amount of laboratory, field work, and private reading required makes the course the equivalent of five hours a week.

### Mineralogy, Dr. Bascom.

*Three hours a week throughout the year.*

*(Given in each year.)*

Both the lectures and laboratory practice deal with crystal measurement by means of the two-circle goniometer, with crystal projection, and crystal drawing and with the determination of minerals by physical characters.

The works of Goldschmidt, Hintze, Groth, Tschermak, and Dana are used as reference books.

### Stratigraphic Geology and Paleontology, Dr. Brown.

*Three hours a week throughout the year.*

*(Given in each year.)*

The lectures deal with the principles of sedimentation; the petrologic character, distribution, faunal contents and geologic succession of the formations of North America. The limits of the various faunal provinces will be established so far as possible and the sediments deposited in the various epicontinental seas correlated. The diastrophic movements which threw the formations into folds producing mountain ranges and basins will receive special attention.

### Paleogeography, Dr. Brown.

*Three hours a week during the first semester.*

*(Given in each year.)*

The lectures deal with all phenomena that throw light upon the extent, the relief, the climate and the life of the lands and seas of geologic time. Special attention is given to the positive and negative movements of the strand line, the development of epicontinental seas, the distribution of atmospheric and oceanic currents, climatic changes, food supply, faunal provinces, and the effect of seas and barriers upon the distribution and migration of plants and animals. In the laboratory a number of the exercises will deal with the making of paleogeographic maps and models.

### Geological Journal Club, Dr. Bascom and Dr. Brown.

*One hour a week throughout the year.*

The graduate students and the instructors meet for the presentation and discussion of recent geological literature.

## Biology.

The instruction in this department is under the direction of Dr. David Hilt Tennent, Professor of Biology, Dr. Joseph W. Warren,\* Associate Professor of Physiology, Dr. Don Rosco Joseph, Associate Professor of Physiology, and Dr. Harriet

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\* Granted leave of absence for the year 1912-13.

Randolph, Demonstrator in Biology and Reader in Botany. The instruction offered in biology covers twenty-two hours of lectures a week; it includes ten hours a week of undergraduate minor and major work; one hour a week of free elective work; seven hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in biology, and four hours a week of graduate lectures and seminary work. The post-major work may be further extended by special laboratory courses.

The work of the first year, or minor course, forms a general introduction to the subject through a broad, comparative study of living things (general biology). In the second year the foundation of a minuter knowledge of animal morphology and physiology is laid. The third year's work, or post-major course, is devoted to the study of more advanced subjects and the practical investigation of simple problems. A knowledge of the elements of chemistry and physics is very desirable for students entering any course in biology, and is necessary for advanced work in the subject.

#### FIRST YEAR.

(*Minor Course.*)

##### 1st Semester.

(*Given in each year.*)

#### **Major Course.**

|  |                           |
|--|---------------------------|
| Lectures on General Biology, Dr. Tennent.      | <i>Four hours a week</i>  |
| Lectures on Plants, Dr. Randolph.              | <i>One hour a week.</i>   |
| Laboratory Work, Dr. Tennent and Dr. Randolph. | <i>Four hours a week.</i> |

##### 2nd Semester.

|                                      |                            |
|--------------------------------------|----------------------------|
| Lectures on Vertebrates, Dr. Joseph. | <i>Three hours a week.</i> |
|--------------------------------------|----------------------------|

This course is given five hours a week during approximately the first nine weeks of the semester.

Lectures on the Embryology of the Chick, Dr. Tennent.

*Two hours a week.*

The lectures on embryology follow the lectures on vertebrates, and are given five hours a week throughout the remainder of the semester.

Laboratory Work, Dr. Tennent, Dr. Joseph, and Dr. Randolph.

*Four hours a week.*

It is the object of this course to give the student clear conceptions of the fundamental principles of vital structure and action, the outlines of general classification, and the relations of the biological sciences to one another and to other branches of science. The laboratory practice is designed to enable the student, as far as possible, to examine for herself the facts discussed in the lectures, to encourage the habit of exact observation, and to impart a knowledge of methods of practical work.



The general subject is treated in two courses which supplement each other and must be taken together. The course in the first semester deals especially with the lower forms of life, the relations of plants and animals, and the more general principles of the science. The course in the second semester is devoted more largely to the higher forms of animal life, with special reference to physiology.

The work is designed not simply to teach the elements of zoology and botany, as commonly understood, but in addition to this to treat plants and animals with constant reference to one another, both in their structure and in their mode of action. Stress is therefore laid on the essential facts of comparative morphology and physiology (general biology) as illustrated by the thorough study of a few types, rather than on the minutiae of classification. At the same time the work is arranged with reference to subsequent special work in zoology, botany, and physiology.

In the first semester the student examines a number of animals and plants, so arranged as to form a natural progressive introduction to the general principles of biology. After certain general preliminary studies of familiar and highly organised forms, the student makes a detailed examination of unicellular organisms, and from these proceeds gradually to the complex conditions of structure and function found in higher plants and animals. In the second semester attention is given mainly to the biology of the higher animals. The course ends with a study of the embryology of the frog and, in greater detail, that of the chick.

## SECOND YEAR.

### 1st Semester.

(Given in each year.)

Animal Physiology, Dr. Joseph.

*Five hours a week.*

Laboratory Work, Dr. Joseph and Dr. Randolph.

*Four hours a week.*

The instruction in physiology consists of a systematic course of lectures upon animal physiology supplemented by experiments in the laboratory, demonstrations of experiments that cannot be conveniently carried out by the individual in the laboratory, frequent oral or written quizzes and recitations.

In the laboratory the student becomes acquainted with the use of simpler forms of physiological apparatus. Students work in pairs, each pair having for the most part a separate set of apparatus. The chief aims of the laboratory work are to give each student an opportunity to work out for herself, as far as time will allow, the fundamental experiments of physiology, to develop the power of accurate observation and description, the ability to arrange results in a logical order and to draw only warranted conclusions.

To this end all experiments are carefully written up and handed in with the graphic record, if any, for criticism, after which they are returned for correction. Any serious errors are discussed personally with the student.

### 2nd Semester.

General Zoology, Dr. Tennent.

*Two hours a week.*

The course in general zoology extends the work of the first year so as to include a survey of the phenomena of animal life and a systematic presentation of the more important facts of general morphology.

Animal Physiology, Dr. Joseph.

*Two hours a week.*

This course is given five hours a week during approximately the last five weeks of the semester. Both the lectures and laboratory work are a direct continuation of the work of the first semester.

Historical Biology, Dr. Tennent.

*One hour a week.*

In this course the student is introduced to some of the leading questions of theoretical general biology. The first part of the course treats of the history of biological discovery with special reference to the development of the more important generalisations and theories of the science. The latter part is mainly devoted to a critical analysis of the theory

of evolution and discussions of the broader philosophical problems of biology such as heredity, variation, adaptation, and kindred topics. These lectures vary somewhat from year to year, and are intended to be suggestive rather than exhaustive in character.

Laboratory Work, Dr. Tennent, Dr. Joseph, and Dr. Randolph.

*Four hours a week.*

In the laboratory thorough dissections are made of typical forms, illustrating the leading groups of animals. A portion of the course is devoted to a study of the sense organs.

*Group: Biology with Psychology, or with Mathematics, or with Physics, or with Chemistry, or with Geology.*

#### FREE ELECTIVE COURSE.

Theoretical Biology, Dr. Tennent.

*One hour a week throughout the year.*

*(Given in each year.)*

This is a historical course dealing with the development of the theories of biology. The course is open to students who have had one year's training in science. A considerable amount of assigned reading is required.

#### POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Embryology of Vertebrates, Dr. Tennent.

*One hour a week throughout the year.*

*(Given in 1912-13 and again in 1914-15.)*

This course consists of lectures, assigned reading, and laboratory work on the embryology of vertebrates. The lectures deal with the development of specific forms and with theoretical questions of embryological interest. The department has material for the study of the development of Amphioxus, Ascidian, Amia, Lepidosteus, Squalus, Ctenolabrus, Necturus, Rana, Chrysemys, Chick and Pig. At least five hours of laboratory work will be required.

The course is divided as follows: First semester—Embryology of Vertebrates (a.) Early stages of development. Second semester—Embryology of Vertebrates (b.) Organogeny.

Protoplasm, the Cell, and Cytological Technique, Dr. Tennent.

*One hour a week during the first semester.*

*(Given in 1913-14 and again in 1915-16.)*

This course consists of a study of the structure of protoplasm, the structure of the cell, the phenomena of cell division, maturation and fertilisation. Both plant and animal cells will be studied, and instruction will be given in methods of preparing cytological material for microscopical examination. This course is to be taken as a two hour course with four hours laboratory.

Experimental Morphology, Dr. Tennent.

*One hour a week during the second semester.*

*(Given in 1913-14 and again in 1915-16.)*

The object of this course is to give a general historical view of experimental morphology of both plants and animals, to discuss some of the methods employed, to point out the

**Free  
Elective  
Course.**

**Post-  
Major  
Courses.**

results already obtained, and to indicate the nature of the work now being done in the subject. The topics discussed are: regeneration in Protozoa and Metazoa, behaviour of lower organisms, experiments on the fertilised and unfertilised egg, Mendel's experiments in hybridisation, and De Vries *Oenothera* mutants. This course is to be taken with four hours laboratory as a two hour course.

Physiological Chemistry, Dr. Joseph. *Two hours a week throughout the year.*

*(Given in 1912-13 and again in 1913-14.)*

This course consists of lectures, recitations, assigned reading and laboratory work. Occasionally a member of the class is asked to report on an article from the literature of the subject. At least four hours a week of laboratory work are required. The laboratory work includes a study of the properties and reactions of proteins; fats and carbohydrates; of the digestive actions of the enzymes of the salivary, gastric, pancreatic and intestinal secretions and the bile; and of the milk and urine. A preliminary training in chemistry at least equivalent to that obtained in the minor course is required.

The Nervous System, Dr. Joseph. *One hour a week throughout the year.*

*(Given in 1912-13 and again in 1914-15.)*

In this course the physiology of the central and peripheral nervous systems is taken up in greater detail than is possible in the major course. The course consists of lectures, recitations, assigned reading, class reports and from one to two hours of laboratory work weekly.

In the laboratory, experiments are carried out which illustrate various physiological properties of the nervous system. In addition a brief study is made of sectioned brain material to acquaint the student with the general arrangement of the internal structure of the brain and the chief paths that may be taken by nerve impulses within the central nervous system.

The Special Senses, Dr. Joseph. *One hour a week throughout the year.*

*(Given in 1913-14.)*

This course of lectures, recitations, assigned reading and laboratory work deals with the more important facts and theories regarding the action of the organs of special sense.

Laboratory Work, Dr. Tennent and Dr. Joseph.

It is desirable that as much laboratory work as possible should be done in connection with the courses offered above. The object of the laboratory work is to give the student experience in the use of apparatus and in adapting it to research. Some special problem is assigned to each student; at the end of the year the results of the work are presented in writing.

#### GRADUATE COURSES.

Four hours a week of seminary work and graduate lectures are offered each year to graduate students of biology accompanied by the direction of private reading, laboratory work and original research. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to seven hours a week may be elected by graduate students. The advanced courses are varied from year to year, so as to form a consecutive course for students that wish to make biology one of the chief subjects of the examination for the degree of Doctor of Philosophy. Such students may specialise either in animal morphology under the guidance of Dr. Tennent, or in animal physiology under the guidance of Dr. Joseph.

**Graduate Courses.**



### Embryology of Invertebrates, Dr. Tennent.

*One hour a week throughout the year.*

*(Given in 1912-13 and again in 1915-16.)*

The embryology of invertebrates with special reference to germinal organisation, cleavage and differentiation, and to the problems of inheritance and development is studied. This course varies in accordance with the needs of the students in the department.

### Genetics, Dr. Tennent.

*One hour a week throughout the year.*

*(Given in 1913-14.)*

This course includes a discussion of Mendel's principles of heredity; of biometrical methods and results; of selection and of the application of these ideas in animal and plant breeding.

### Cytology, Dr. Tennent.

*One hour a week throughout the year.*

*(Given in 1914-15.)*

The course deals with the anatomy of the cell, and the relations and functions of its various structures in unicellular and multicellular organisms. Special attention will be given to the phenomena of karyokinesis and sexual reproduction and the theories connected therewith. Considerable time will be devoted to the consideration of problems in insect spermatogenesis.

### Internal Secretions, Dr. Joseph.

*One hour a week throughout the year.*

*(Given in 1912-13 and again in 1914-15.)*

The course consists of the reading and discussion of original articles dealing with the subject.

### Selected Problems Dealing with the Physiology of the Gastro-intestinal Tract, Dr. Joseph.

*One hour a week throughout the year.*

*(Given in 1913-14.)*

### Biological Journal Club, Dr. Tennent and Dr. Joseph.

The advanced students and the instructors meet for the presentation and discussion of topics of current biological literature.

### Laboratory Work, Dr. Tennent and Dr. Joseph.

There is no regular course of laboratory instruction for graduates. Each student desiring to devote a considerable portion of her time to such work is given an experimental problem for verification or extension. The nature of the work depends in each case on the qualifications of the student.

## Department of Health and Hygiene.

The health of the students is under the care of a Health Committee consisting of the President of the College, the Dean of the College, the Director of Athletics and Gymnastics, and the Physicians of the College.

Every undergraduate student and hearer must be examined each year by the Assistant Physician of the College, and twice each year by the Director of Athletics and Gymnastics with reference to physical development, strength of heart and lungs,

and general health. The eyes of students are examined by the Examining Oculist of the College during the first semester after entering the college and again during the first semester of the junior year. Students who cannot furnish evidence of successful vaccination within a period of two years are vaccinated by the college physicians.

Eminent specialists practising in Philadelphia whose names may be found in the list of academic appointments have consented to serve as consulting physicians of the college. The Assistant Physician will be in her college office during the hours from four to six of every afternoon except Sunday and may be consulted by the students without charge.

All students who are not under the special care of the attending physicians on account of illness are under the immediate care of the Director of Athletics and Gymnastics. She receives the reports of students on the special supervision list, keeps careful records of the health of all students and endeavors by lectures, interviews, personal advice, exercise, and general hygiene to maintain and improve the health of the students. A course of six lectures on personal and community hygiene is given each year which freshmen are required to attend.

The infirmary fee of \$10.00 paid by every resident student entitles her to be cared for in the infirmary for five days (not necessarily consecutive) during the year without paying extra fees for nurses or for attendance by the college physicians, and also to the services of the nurses employed by the college during other temporary illness, provided one of the regular nurses is free at the time. In the case of an illness of more than five days' duration and also of all diseases of an infectious character the student must meet, or in case of two or more students with the same infectious disease share, the expense of a special nurse, the infirmary fees, and also hospital or sanitarium charges for board and residence should she be removed from the college by order of the Physician in Chief. During the five days specified above the attendance fees of the college physicians are paid by the college. All further fees must be paid by the student.

A special nurse for one student costs \$5.30 a day (nurse's fee \$4.00, board \$1.00, laundry .30) or \$34.10 a week (nurse's fee \$25.00 per week, board \$7.00, laundry \$2.10). The infirmary fee is \$2.00 a day. It is

often possible for two or three students to be nursed by one extra nurse at the same time, thus reducing the fee for nursing. When a student has not an infectious disease the infirmary fee of \$2.00 a day will include the nurse's fee provided it is possible for one of the college nurses to care for the student. The attendance fees of the college physician are \$2.00 per visit. The fees of the consulting physicians and surgeons and other specialists recommended by the college will be furnished on request.

All communications concerning the health of the students from parents and guardians, outside physicians, and others should be addressed to the Dean of the College, who will also excuse students for absence on account of illness before and after vacations and from attendance on academic work.

### Athletics and Gymnastics.

The exercise of the students is under the care of Miss Constance M. K. Applebee, Director of Athletics and Gymnastics, and Miss Elizabeth L. Gray, Assistant Director of Athletics and Gymnastics.

The gymnasium (see page 187) is open for the use of students from 7 A.M. to 10 P.M. daily. Four periods of exercise a week are required of all resident and non-resident undergraduate students and hearers throughout the year. From December first till April first attendance twice a week in the gymnasium is compulsory for all resident and non-resident undergraduate students and hearers. Students may take part during the year in the following forms of exercise which are organised by the Athletic Association under the supervision of the Director: in the autumn, tennis and hockey; in the winter, water polo, swimming meet, fencing, and indoor track athletics; in the spring, basketball, track, and tennis. All students are required to take six lessons in swimming each semester until able to satisfy the required test. No undergraduate student will be excused from the required exercise except by order of the Director of Athletics and Gymnastics. Special exercises are prescribed for students needing individual corrective work, and these are taken in addition to the regular class work. Every student while exercising in the gymnasium must wear a gymnasium suit of the pattern prescribed by the Director.



### Opportunities for Public Worship.

In the vicinity of the college there are churches of almost all the various religious denominations. Coaches are provided by the college on Sundays to enable students to attend the churches in the neighborhood.

Religious services are held in the college every Sunday evening by prominent clergymen of different denominations. A vesper service is held every Sunday afternoon and there is daily morning chapel. Attendance on all the religious exercises of the college is voluntary.

### COLLEGE BUILDINGS.

The college buildings are situated at Bryn Mawr, in the suburbs of Philadelphia, five miles west of the city, on the main line of the Pennsylvania Railroad. The site of the college is four hundred and twenty feet above sea level in the midst of a beautiful rolling country made accessible by good roads in every direction. The college grounds cover fifty-two acres, and include lawns, tennis-courts, and two large athletic fields, one of which is converted in winter into a skating-pond.


Taylor Hall (named after the founder), a large building of Port Deposit stone, contains a general assembly room, eleven lecture-rooms, and the offices of administration.

The library, the gift of the friends, graduates, and students of the college, begun in April, 1903, was completed in February, 1907. It is built of gray stone in the Jacobean Gothic style of architecture of the period of 1630 and forms three sides of a closed quadrangle. The main building, devoted to the library proper, faces east and is opposite and parallel to Taylor Hall at a distance of about fifty yards; the principal entrances of the two buildings face each other and are connected by a broad cement path. The east front is one hundred and seventy-four feet long and contains a three-story stack with accommodation for 88,000 volumes, and above this a large reading-room with desks for one hundred and thirty-six readers, each desk screened to a height of two feet as in the British Museum reading-room to secure privacy to the reader. No books of reference are kept in the main reading-room. Beyond the reading-room on the south side are the newspaper and magazine rooms. On the north

side are the Art and Archæological Seminaries, containing collections of photographs, vases, and coins. The main building contains the Stack, the New Book Room, Reference Book Room, the Carola Woerishoffer Memorial Room, the Reserved Books Room, the Christian Association Library, one professor's office, and four cloak rooms. The wings of the building, running symmetrically about two hundred feet in length from the north and south ends of the main building, contain twelve seminary rooms and twenty-seven professors' offices. The books needed for graduate study and research are kept in the seminary rooms and graduate lectures are held in them. The seminaries are arranged as follows: Greek, Latin, English, Art, Archæology, German, French, Italian and Spanish, Semitic Languages, and Philosophy in the north wing; Mathematics, History, Economics and Psychology in the south wing, where are also offices for the librarians and cataloguers. The total book capacity of the library, including the seminary libraries and the books for general study which are kept in the stack, is 168,449 volumes. The building is absolutely fireproof. Professors' offices for the senior professors in each department adjoin the seminary rooms. There are also two seminary lecture-rooms accommodating about fifteen students, one general lecture-room accommodating forty-two students, and three interview rooms.

On the first floor of the south wing the department of experimental psychology has two large laboratories, one for general work and one for research. The basement of the north wing contains rooms for the Monograph Committee of the Faculty, the Alumnæ Association, and fireproof safe rooms for the records and archives of the college. The quadrangular court enclosed by the building is surrounded by cloisters and in the centre of the grass enclosure is a fountain, the gift of the class of 1901.

The library is open for students on week-days from 8 A.M. till 10 P.M. and on Sundays from 2 P.M. till 10 P.M. It is open for the faculty at all hours.

 In January, 1893, the scientific departments of the college were transferred to Dalton Hall, a stone building erected by the trustees out of funds in large part contributed by the generosity

of friends of the college. Dalton Hall is entirely occupied by the scientific departments, the special scientific libraries, and the consultation-rooms of the professors of science. The first floor and the basement are reserved for physics, the second floor is reserved for biology, the third floor for chemistry, and the fourth and fifth floors for geology. In December, 1893, a greenhouse designed for the use of the botanical department was added to Dalton Hall as the gift of the *alumnæ* and students.

Around Taylor Hall the trustees have erected halls of residence for the accommodation of students. Plans and descriptions of the six halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall East, Pembroke Hall West, and Rockefeller Hall, the gift of Mr. John D. Rockefeller, and of the academic buildings, Taylor Hall, the Library, and Dalton Hall, are published in Part 4 of the Bryn Mawr College Calendar to be obtained from the Secretary of the College.

Music-rooms with sound-proof walls and ceilings are provided in Pembroke Hall East, and rooms where the students can have hairdressing and dressmaking done, and a club and luncheon-room for non-resident students in Rockefeller Hall.

The new gymnasium, erected on the site of the first gymnasium and the gift of the Athletic Association, the *alumnæ* and thirteen neighbors of the college, was completed in February, 1909. It is open to the students from 8 A.M. till 10 P.M., daily, contains a large hall for gymnastic exercises, with a running or walking track for use in rainy weather; a room for the director and an adjoining room for the examination and record of the physical development of the students, a waiting-room, and cloak rooms. In the basement are dressing-rooms and shower-baths for use after exercise and a swimming-tank, seventy feet long, twenty feet wide, and from four to seven and a half feet deep, given in 1894 by the *alumnæ*, students, and friends of the college, and well supplied with spring boards, life preservers, and other apparatus for the teaching of swimming. The gymnasium is under the charge of a director and two assistants.

On the grounds, separated from the other buildings, the Class of 1905 infirmary has been erected, with accommodation for patients and nurses, and its own diet kitchens and bathrooms,



wards and private rooms, sun parlour, sun terrace and two isolation wards.

A central power-house, which was erected in 1902 as part of the gift of Mr. John D. Rockefeller, furnishes heat, electric light, and hot water for all the college buildings. Steam is conducted through tunnels underground to coils in the basement of each building. Air brought in from the outside is blown through the heaters by powerful fans and distributed to the various rooms, and the system is so adjusted as to change the air completely in every room once in every ten minutes throughout the day and night. The temperature is regulated by thermostats in the heating coils as well as in the individual rooms. The electric lights, including electric reading-lamps for each student, are installed in the most approved manner and the voltage is kept constant so that there is no fluctuation. A constant and abundant supply of hot water is laid on and maintained at a temperature of 180 degrees during all the twenty-four hours of the day, in all the bathrooms and stationary wash-stands and tea pantries.

The Bell Telephone Company, a branch of the American Telephone and Telegraph Company, maintains telephone pay stations in each of the halls of residence, in the library and in the gymnasium, by means of which the students may be communicated with at any time. Near the college are a Postal Telegraph-Cable Company office (service 6 A.M. to 12 P.M.), an Adams Express office, a United States money-order office, and two banks. There are good roads in every direction. Horses for riding and driving may be kept at livery near the college at a cost of twenty-five dollars a month.

## LIST OF DISSERTATIONS

PUBLISHED BY STUDENTS WHO HAVE OBTAINED THE DEGREE OF DOCTOR  
OF PHILOSOPHY FROM BRYN MAWR COLLEGE.

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CLAFLIN, EDITH FRANCES. The Syntax of the Boeotian Dialect Inscriptions. 93 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press, 1905.

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- DUDLEY, LOUISE. The Egyptian Elements in the Legend of the Body and Soul. 179+[xi] p., O. Baltimore, printed by J. H. Furst Co. 1911.  
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. viii.
- ELLIS, ELLEN DEBORAH. Introduction to the History of Sugar as a Commodity. 117 p., O. Philadelphia, The John C. Winston Co. 1905.  
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- EMERY,\* ANNIE CROSBY. The Historical Present in Early Latin. 120+[3] p., O. Ellsworth, Maine, Hancock Publishing Company. 1897.
- EVERS, HELEN MARGARET. Critical edition of the discours de la vie de Pierre de Ronsard, par Claude Binet. iv+190 p., O. Philadelphia, The John C. Winston Co. 1905.  
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- FRANKLIN, SUSAN BRALEY. Traces of Epic Influence in the Tragedies of Æschylus. 81 p., O. Baltimore, The Friedenwald Company. 1895.
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\* Mrs. Francis Greenleaf Allinson.



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OGDEN, ELLEN SETON. The origin of the Gunu-Signs in Babylonian. 144 p., O. Leipzig, printed by W. Drugulin. 1911.

PARRIS,‡ MARION. Total Utility and the Economic Judgment Compared with their Ethical Counterparts. 103 p., O. Philadelphia, The John C. Winston Co. 1909.

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\* Mrs. S. Prioleau Ravenel. † Mrs. Emmons Bryant. ‡ Mrs. William Roy Smith.

- PEEBLES, FLORENCE. Experiments in Regeneration and in Grafting of Hydrozoa. 53+[1] p., O. Leipzig, Wilhelm Engelmann. 1900.
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\* Mrs. Eric C. W. S. Lyders.

† Died, 1905.

‡ Mrs. William Bashford Huff. Died, 1913.

§ Died, 1912.

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\* Mrs. Lewis Albert Anderson.

† Mrs. George Arthur Wilson.



# SCHEDULE OF LECTURES,

| 11 | 12 | MONDAY  | TUESDAY  |
|----|----|---|--|
|    |    | <p>GENERAL (Kirk)<br/>German (Jeffers)<br/>French (Scheneck)</p> <p>Philosophy, Div. A (T. de Laguna)<br/>Div. B (G. de Laguna)<br/>Div. C (Fisher)</p> <p>Greek, Plato (Sanders)<br/>French Literature (Conz)<br/>Greek and Roman Architecture<br/>Mathematical Cones (Scott)<br/>Chemistry (Brunel)</p> <p>German Literature (Jessen)</p> <p>Comparative Literature, The Pastoral (Hatcher)<br/>Modern History, The Renaissance (Haring)<br/>Ancient History, Fifth Century Athens (Ferguson)<br/>Psychology, Social Psychology (Leuba)</p> <p>Biology, Theoretical (Tennent)</p> <p>Physics (Burnes)<br/>Geology (T. C. Brown)</p> | <p>Greek (Kirk)<br/>German (Jeffers)<br/>French (Scheneck)</p> <p>Psychology (Leuba)</p> <p>Greek, Homer (Wright)<br/>French Reading (Schinz)<br/>Greek Painting (Swindler)<br/>Mathematics, Trigonometry (Scott)<br/>Chemistry (Brunel)</p> <p>German, Faust (Jessen)</p> <p>Comparative Literature, Victorian Poets (G. G. King)<br/>Modern History, British Imperialism (W. R. Smith)<br/>Ancient History, Historians of Rome (Ferguson)<br/>Psychology, Educational Psychology (Gordon)</p> <p>Physics, Historical Development of Physics (Huff)</p> <p>Biology, The Special Senses (Joseph)</p> <p>Geology (Bascom)</p> |
| 9  |    |   |  |
|    |    | <p>GENERAL English Lit., 2nd yr. (Donnelly)</p> <p>MINOR English, 19th Century Critics (Upham)<br/>German Grammar (Lasch)<br/>Spanish (DeHaan)<br/>Comparative Literature, Renaissance Lyrics (Hatcher)<br/>History since 1799, Div. A (Haring)<br/>Div. B (Cleveland)</p> <p>Biology (Tennent)</p> <p>MAJOR Philosophy, Plato and Aristotle (Fisher)<br/>Geology (T. C. Brown)</p> <p>ELECTIVE Physics (Huff)<br/>Chemistry (Brunel)</p>   | <p>Eng. Comp., 2nd yr.</p> <p>English Drama (Donnelly)<br/>German Literature (Jessen)<br/>Spanish (DeHaan)<br/>Comparative Literature, Renaissance Literature (G. G. King)<br/>History of the Reformation (W. R. Smith)<br/>History of England since 1066 (Cleveland)<br/>Biology (Tennent)</p> <p>Philosophy of the 19th Century (T. de Laguna)<br/>Geology (T. C. Brown)</p> <p>Mathematics Preparatory to Science<br/>Astro-physics (Barnes)<br/>Chemistry (Getman)</p>   |
| 10 |    |   |  |
|    |    | <p>GENERAL English Lit., 1st yr. (Donnelly)</p> <p>MINOR Ancient History, Oriental (Barton)<br/>Economics, Intro. to Economics, Div. A (M. P. Smith)<br/>Div. B (Dewey)<br/>Philosophy, Problems in (T. de Laguna)<br/>Physics (Huff)</p> <p>MAJOR Latin, Tacitus (Wheeler)<br/>English, Essay and Novel in the 18th Century (Upham)<br/>Spanish Reading (DeHaan)<br/>Mathematics (Conner)<br/>Archaeology<br/>Chemistry (Getman)</p> <p>ELECTIVE Petrography (Bascom)</p> <p>POST-MAJOR Systematic Psychology (Ferree)</p> <p>GRADUATE</p>   | <p>Eng. Comp., 1st yr.</p> <p>Ancient History, Classical (Ferguson)<br/>Politics, Problems in (Hudson)<br/>Sociology (Dewey)<br/>Philosophy, Descartes and Hume (Fisher)</p> <p>Physics (Huff)</p> <p>Latin Literature (Frank)<br/>Italian (Holbrook)</p> <p>Spanish Literature (DeHaan)<br/>Mathematics (Conner)<br/>Chemistry (Getman)</p> <p>Biology, Physiological Chemistry (Joseph)</p>  |
| 11 |    |   |  |
|    |    | <p>MINOR Latin Cicero, Div. A (Wheeler)<br/>Div. B (Ferguson)<br/>Div. C (Swindler)<br/>Middle English Poetry (Brown)<br/>Italian (Holbrook)<br/>Psychology, Experimental (Ferree and Bascom)<br/>History of Art, 17th and 18th Century Painting (G. G. King)<br/>Geology (Bascom)</p> <p>MAJOR Greek, Demosthenes (Sanders)<br/>French Literature (Schinz)<br/>History, French Revolution (Cleveland)<br/>Economics and Politics, History of Economic Thought (M. P. Smith)<br/>Physics (Barnes)<br/>Biology (Joseph)</p> <p>ELECTIVE</p> <p>GRADUATE Chemistry (Brunel)</p>   | <p>Latin, Horace, Div. A (Frank)<br/>Div. B (Swindler)<br/>Div. C (Ferguson)<br/>English, Shakespeare (C. F. Brown)<br/>Italian (Holbrook)<br/>Psychology of Instinct, Emotion and Will (Leuba)<br/>History of Art, Gothic Architecture (G. G. King)<br/>Geology (Bascom)</p> <p>Greek Literature (Wright)<br/>French Reading (Conz)<br/>History, United States from 1865 (W. R. Smith)<br/>Economics and Politics, Social Politics (Hudson)<br/>Industrial History (Dewey)<br/>Physics (Barnes)<br/>Biology (Joseph)</p> <p>Descriptive Astronomy (Conner)<br/>Chemistry (Brunel)</p>                                       |
| 12 |    |   |  |

# FIRST SEMESTER, 1913-14.

| WEDNESDAY  | THURSDAY   | FRIDAY  |
|--|--|---|
| Greek (Kirk)<br>German (Jeffers)<br>French (Schenck)   | Greek (Kirk)<br>German (Jeffers)<br>French (Schenck)   | Greek (Kirk)<br>German (Jeffers)<br>French (Schenck)  |
| Philosophy, Div. A (T. de Laguna)<br>Div. B (G. de Laguna)<br>Div. C (Fisher)  | Psychology (Leuba)   | Philosophy, Div. A (T. de Laguna)<br>Div. B (G. de Laguna)<br>Div. C (Fisher)   |
| Greek, Plato (Sanders)<br>French Reading (Cons)<br>Greek and Roman Architecture<br>Mathematics, Conics (Scott)<br>Chemistry (Brunel)   | Greek, Homer (Wright)<br>French Composition (Schinz)<br>Greek Painting (Swindler)<br>Mathematics, Trigonometry (Scott)<br>Chemistry (Brunel)   | Greek, Sophocles (Sanders)<br>French Literature (Cons)<br>Greek and Roman Architecture<br>Mathematics, Conics (Scott)<br>Chemistry (Brunel)   |
| German Composition and Reading<br>(Lasch)<br>Comparative Literature, The Pastoral<br>(Hatcher)<br>Modern History, The Renaissance (Har-<br>ling)<br>Ancient History, Fifth Century Athens<br>(Ferguson)<br>Psychology, Social Psychology (Leuba) | German, Faust (Jessen)<br><br>Comparative Literature, Victorian Poets<br>(G. G. King)<br>Modern History, British Imperialism<br>(W. R. Smith)<br>Ancient History, Roman Life (Frank)<br><br>Psychology, Educational Psychology<br>(Gordon) | German Literature (Jessen)<br><br>Comparative Literature, The Pastoral<br>(Hatcher)<br>Modern History, The Renaissance (Har-<br>ling)<br>Ancient History, Fifth Century Athens<br>(Ferguson)<br>Psychology, Social Psychology (Leuba) |
| Geology, Evolution of Vertebrates (T. C.<br>Brown)   | Roman Life (Frank)<br>Geology, Cosmogony (Bascom)  | New Testament Canon (Barton)<br>Geology, Evolution of Vertebrates (T. C.<br>Brown)  |
| Physics (Barnes)   | Physics, Sem. and J. Club (Huff and<br>Barnes)<br>Biology, Journal Club (Tennent, Joseph)  | Physics (Barnes)  |
| English Lit., 2nd yr. (Donnelly)   | Eng. Comp., 2nd yr.  | English Lit., 2nd yr. (Donnelly)  |
| English, 19th Century Critics (Upham)<br>German (Lasch)<br>Spanish (DeHaan)<br>Comparative Literature, Renaissance<br>Lyrics (Hatcher)<br>History since 1799, Div. A (Haring)<br>Div. B (Cleveland)  | English Drama (Donnelly)<br>German Literature (Jessen)<br>Spanish (DeHaan)<br>Comparative Literature, Renaissance<br>Literature (G. G. King)<br>History of the Reformation (W. R. Smith)<br>History of England since 1066 (Cleveland)      | English, 19th Century Critics (Upham)<br>German (Lasch)<br>Spanish (DeHaan)<br>Comparative Literature, Renaissance<br>Lyrics (Hatcher)<br>History since 1799, Div. A (Haring)<br>Div. B (Cleveland)                                   |
| Biology (Tennent)  | Biology (Tennent)  | Biology (Tennent)   |
| Philosophy, Plato and Aristotle (Fisher)   | Philosophy in the 19th Century (T. de<br>Laguna)   | Philosophy, Plato and Aristotle (Fisher)  |
| Geology (T. C. Brown)  | Geology (T. C. Brown)  | Geology (T. C. Brown)   |
| Graphic Mathematics (Scott)  | Mathematics Preparatory to Science<br>Astro-physics (Barnes)   |   |
| Physics (Huff)<br>Chemistry (MacLeod)  | Chemistry (Getman)   | Physics (Huff)<br>Chemistry (MacLeod)   |
| English Lit., 1st yr. (Donnelly)   | Eng. Comp., 1st yr.  | English, 1st yr. (Donnelly)   |
| Ancient History, Oriental (Barton)<br>Economics, Introduction to<br>Div. A (M. P. Smith)<br>Div. B (Dewey)   | Ancient History, Classical (Ferguson)<br>Politics, Problems in (Hudson)<br>Sociology (Dewey)   | Ancient History, Oriental (Barton)<br>Economics, Introduction to<br>Div. A (M. P. Smith)<br>Div. B (Dewey)  |
| Philosophy, Problems in (T. de Laguna)   | Philosophy, Descartes and Hume (Fisher)  | Philosophy, Problems in (T. de Laguna)  |
| Physics (Huff)   | Physics (Huff)   | Physics (Huff)  |
| Latin, Tacitus (Wheeler)   | Latin Literature (Frank)<br>Italian (Holbrook)   | Latin, Tacitus (Wheeler)  |
| English, Essay and Novel in 18th Cen-<br>tury (Upham)<br>Spanish Grammar (DeHaan)<br>Mathematics (Conner)<br>Archaeology<br>Chemistry (Getman)   | Spanish Literature (De Haan)<br>Mathematics (Conner)<br><br>Chemistry (Getman)   | English, Essay and Novel in 18th Century<br>(Upham)<br>Spanish Reading (De Haan)<br>Mathematics (Conner)<br>Archaeology<br>Chemistry (Getman)<br><br>German Composition (Lasch)   |
| Petrography (Bascom)   | Biology, Protoplasm and the Cell (Ten-<br>nent)  | Petrography (Bascom)  |
| Systematic Psychology (Ferree)   |  | Systematic Psychology (Ferree)  |
| Latin, Cicero, Div. A (Wheeler)<br>Div. B (Ferguson)<br>Div. C (Swindler)  | Latin, Horace, Div. A (Frank)<br>Div. B (Swindler)<br>Div. C (Ferguson)  | Latin, Cicero, Div. A (Wheeler)<br>Div. B (Ferguson)<br>Div. C (Swindler)   |
| Middle English Poetry (C. F. Brown)  | English, Shakespeare (C. F. Brown)   | Middle English Poetry (C. F. Brown)   |
| Italian (Holbrook)   | Italian (Holbrook)   | Italian (Holbrook)  |
| Psychology, Experimental (Ferree and<br>Rand)  | Psychology of Instinct, Emotion and<br>Will (Leuba)  | Psychology, Experimental (Ferree and<br>Rand)   |
| History of Art, 17th and 18th Century<br>Painting (G. G. King)<br>Geology (Bascom)   | History of Art, Gothic Architecture (G.<br>G. King)<br>Geology (Bascom)  | History of Art, 17th and 18th Century<br>Painting (G. G. King)<br>Geology (Bascom)  |
| Greek, Aristophanes (Sanders)<br>French Reading (Schinz)<br>History, French Revolution (Cleveland)   | Greek Literature (Wright)<br>French Composition (Cons)<br>History, United States from 1865 (W. R.<br>Smith)<br>Economics and Politics, Social Politics<br>(Hudson)   | Greek, Demosthenes (Sanders)<br>French Literature (Schinz)<br>History, French Revolution (Cleveland)  |
| Economics and Politics, History of Eco-<br>nomic Thought (M. P. Smith)   | Industrial History (Dewey)   | Economics and Politics, History of Eco-<br>nomic Thought (M. P. Smith)  |
| Physics (Barnes)<br>Biology (Joseph)   | Physics (Barnes)<br>Biology (Joseph)   | Physics (Barnes)<br>Biology (Joseph)  |
|  | Descriptive Astronomy (Conner)   |   |
| Chemistry (Getman)   | Chemistry Journal Club (Brunel and<br>Getman)  | Chemistry (Getman)  |

# SCHEDULE OF LECTURES,

|   | COURSE          | MONDAY  | TUESDAY   |
|---|-----------------|---|---|
| 2 | LABORATORY WORK | Psychology, Minor (Ferree and Rand)<br>Physics, Minor (Huff)<br>Chemistry, Minor (Brunel)<br>Geology, Minor, Field Work (Bascom)<br>Biology, Minor (Tennent)  | Psychology, Minor (Ferree and Rand)<br>Physics, Minor (Huff)<br>Chemistry, Minor (Brunel)<br>Geology, Minor (Bascom)<br>Biology, Minor (Tennent)  |
|   | ELECTIVE        | History of Christian Doctrine (Barton)  | History of Christian Doctrine (Barton)  |
|   | POST-MAJOR      | Greek, Attic Orators (Sanders)<br>French, Modern Literary Schools (CONS)  | Greek, Attic Orators (Sanders)<br>French, Modern Literary Schools (CONS)<br>Spanish (DeHaan)  |
|   | GRADUATE        | Economics and Politics, American Constitutional Law (Hudson)<br>Mathematics (Scott)<br>Experimental Morphology  | Economics and Politics, American Constitutional Law (Hudson)<br>Mathematics (Scott)   |
|   |                 | Cynwulf and Caedmon (C. F. Brown)<br>3-4-30<br>Metaphysics Seminary (G. de Laguna)  | Old French Readings (Holbrook)<br>Metaphysics Seminary (G. de Laguna)   |
| 3 | LABORATORY WORK | Psychology, Minor (Ferree and Rand)<br>Physics, Minor (Huff)<br>Chemistry, Minor (Brunel)<br>Geology, Minor, Field Work (Bascom)<br>Biology, Minor (Tennent)  | Psychology, Minor (Ferree and Rand)<br>Physics, Minor (Huff)<br>Chemistry, Minor (Brunel)<br>Geology, Minor (Bascom)<br>Biology, Minor (Tennent)  |
|   | ELECTIVE        | Elocution, Reading of Shakespeare (A. S. King)  | Elocution, Reading of Shakespeare (A. S. King)<br>Advanced Experimental Psychology (Ferree)   |
|   | POST-MAJOR      | Latin, Lucretius and Catullus (Frank)<br>Old French (Schenck)<br>History, American Constitutional (W. R. Smith)   | Latin, Lucretius and Catullus (Frank)<br>Old French (Schenck)<br>History, American Constitutional (W. R. Smith)<br>Mathematics (Conner)   |
|   | GRADUATE        | Introduction to Teutonic Philology (Lasch)<br>Old Spanish, Reading (DeHaan)<br>Egyptian (Barton)<br>Psychology Journal Club (Leuba and Ferree)  | Greek Seminary (Sanders), 3-4-30<br>Seminary in English Literature (Upham), 3-4-30<br>Middle High German (Lasch)<br>Seminary in French Literature (Schinz), 3-4-30<br>Essays in Spanish (DeHaan)<br>Comp. Semitic Grammar (Barton)  |
| 4 | GRADUATE        | Seminary in Latin Epigraphy (Frank), 4-6<br>Seminary in Elizabethan Drama (Hatcher), 4-30-6<br>Seminary in Teutonic Philology (Lasch)<br>Old French Seminary (Holbrook), 4-6<br>Hebrew Literature (Barton)<br>History Journal Club (Haring, W. R. Smith, and Cleveland), 4-6. Alternate Weeks<br>Economics Journal Club (M. P. Smith, Hudson, and Dewey), 4-6. Alternate Weeks<br>Psychology Seminary (Leuba), 4-6<br>Mathematics (Conner), 4-6 | Greek Journal Club (Sanders and Wright), 4-30-6. Alternate Weeks<br>Latin Journal Club (Wheeler and Frank), 4-30-6. Alternate Weeks<br>Middle English, Seminary (C. F. Brown), 4-30-6<br>German Journal Club (Jessen and Lasch), 4-30-6. Alternate Weeks<br>Old French Philology, 1st yr. (Holbrook), 4-30-6<br>Seminary in European History (Haring), 4-30-6<br>Seminary in Politics (Hudson), 4-6<br>Ethical Seminary (T. de Laguna), 4-30-6<br>Mathematical Journal Club (Scott and Conner). Alternate Weeks<br>Seminary in Education (Gordon and Castro), 4-6 |
| 5 | GRADUATE        |   |   |



# FIRST SEMESTER, 1913-14 (continued).

| WEDNESDAY   | THURSDAY   | FRIDAY   |
|---|--|--|
| <p>Greek, Sophocles (Sanders)<br/> Latin, Advanced Composition (Frank)<br/> German, Reading (Jessen)<br/> French, Modern Literary Schools (Cons)<br/> Spanish (DeHaan)<br/> Economics and Politics, American Constitutional Law (Hudson)<br/> Chemistry (Getman)</p> <p>Literary Criticism (Upham), 2-4<br/> Old Provençal (Holbrook)<br/> Archaeological Seminary, 2-4</p> | <p>Psychology, Minor (Ferree and Rand)<br/> Physics, Major (Barnes)<br/> Chemistry, Major (Getman)<br/> Geology, Major (T. C. Brown)<br/> Biology, Major (Joseph)</p> <p>Greek, Melic Poets (Wright)<br/> German Literature (Jessen)<br/> French, Short Story (Schinz)<br/> Ancient History, Roman Empire (Ferguson)<br/> Economics and Politics, Economic and Social Legislation (M. P. Smith)</p> <p>English Enunciation (A. S. King)<br/> Seminary in Comparative Literature (Hatcher), 2-4<br/> Old French Readings (Holbrook)</p>   | <p>Psychology, Minor (Ferree and Rand)<br/> Physics, Major (Barnes)<br/> Chemistry, Major (Getman)<br/> Geology, Major (T. C. Brown)<br/> Biology, Major (Joseph)</p> <p>German Literature (Jessen)<br/> French, Short Story (Schinz)</p> <p>Economics and Politics, Economic and Social Legislation (M. P. Smith)</p> <p>Greek Seminary, Aristophanes (Wright), 2-4<br/> Old Provençal (Holbrook)</p>   |
| <p>Daily Themes (Crandall)<br/> Argumentation (Shearer)</p> <p>Greek, Melic Poets (Wright)<br/> Latin, Lucretius and Catullus (Frank)<br/> History, American Constitutional (W. R. Smith)<br/> Mathematics (Conner)</p> <p>German, Literary Criticism (Jessen)<br/> Gothic (Lasch) *<br/> New Testament Greek Seminary (Barton)</p>   | <p>Psychology, Minor (Ferree)<br/> Physics, Major (Barnes)<br/> Chemistry, Major (Getman)<br/> Geology, Major (T. C. Brown)<br/> Biology, Major (Joseph)</p> <p>Descriptive Writing (Temple)<br/> Education (Gordon)</p> <p>Roman Satire (Wheeler)<br/> History, England under the Stuarts (Haring)<br/> Statistics (Dewey)</p> <p>Greek Seminary (Sanders), 3-4.30<br/> Seminary in English Literature (Upham), 3-4.30<br/> Comp. Teutonic Grammar (Lasch)<br/> Seminary in French Literature (Schinz), 3-4.30<br/> Essays in Spanish (DeHaan)<br/> Comp. Semitic Grammar (Barton)<br/> Philosophical Journal Club (T. de Laguna, G. de Laguna, and Fisher), 3-4.30</p> | <p>Psychology, Minor (Ferree)<br/> Physics, Major (Barnes)<br/> Chemistry, Major (Getman)<br/> Geology, Major (T. C. Brown)<br/> Biology, Major (Joseph)</p> <p>Education (Gordon)</p> <p>Roman Satire (Wheeler)<br/> History, England under the Stuarts (Haring)<br/> Statistics (Dewey)</p> <p>English Journal Club (C. F. Brown, Donnelly, Upham, Hatcher), 3-4.30. Alternate Weeks<br/> Gothic (Lasch)<br/> Romance Languages Journal Club (De Haan, Schinz, Holbrook, Cons, and Schenck), 3-4.30. Alternate Weeks<br/> Archaeological Journal Club, 3-4.30. Alternate Weeks</p> |
| <p>Latin Seminary (Wheeler), 4.30-6<br/> Seminary in English Literature (Donnelly), 4-6<br/> Old High German (Lasch)<br/> Seminary in French (Cons), 4-6<br/> Advanced Italian (Holbrook), 4-6<br/> Seminary in American History (W. R. Smith), 4-6<br/> Psychology Applied to Teaching (Gordon) 4-6</p>  | <p>Middle English Seminary (C. F. Brown), 4.30-6<br/> Seminary in German Literature (Jessen), 4-6<br/> Old French Philology, 1st yr. (Holbrook), 4.30-6<br/> Semitic Seminary (Barton)<br/> Seminary in European History (Haring), 4.30-6<br/> Ethical Seminary (T. de Laguna), 4.30-6<br/> Mathematics (Scott), 4-6<br/> Physiology (Joseph)</p>  | <p>Latin Seminary (Wheeler), 4.30-6<br/> Old High German (Lasch)<br/> Seminary in Elizabethan Drama (Hatcher), 4.30-6</p> <p>Hebrew (Barton)<br/> Seminary in Economics (M. P. Smith), 4-6</p> <p>Theories of Education (Gordon), 4-6</p>  |
| <p>Spanish Literature (DeHaan)</p>  |  | <p>Spanish Philology (DeHaan)</p>  |

# SCHEDULE OF COLLEGIATE EXAMINATIONS,

WEDNESDAY, JANUARY 21st.

| ELECTIVE.                       | Hour.   |
|---------------------------------|---------|
| Descriptive Writing.....        | 9-11    |
| Education.....                  | 9-11    |
| POST-MAJOR.                     |         |
| Greek, Melic Poets.....         | 2- 4    |
| Ancient History, Roman Empire   | 2- 3.15 |
| Latin, Roman Satire.....        | 9-11    |
| German, Literature and Reading. | 2- 4    |
| French, Short Story.....        | 2- 4    |
| History, England under the      |         |
| Stuarts.....                    | 9-11    |
| Economics, Economic and Social  |         |
| Legislation.....                | 2- 4    |
| Statistics.....                 | 9-11    |

MONDAY, JANUARY 26TH.

| GENERAL.                          | Hour.       |
|-----------------------------------|-------------|
| Philosophy.....                   | 9-11        |
| MINOR.                            |             |
| Greek History.....                | 9-11        |
| French, Language and Com-         |             |
| position.....                     | 9-11        |
| Greek Painting.....               | 9-11        |
| Mathematics, Trigonometry.....    | 9-11        |
| MAJOR.                            |             |
| German, Faust.....                | 9-11        |
| Comparative Literature, Victor-   |             |
| ian Poets.....                    | 9-11        |
| History, British Imperialism..... | 9-11        |
| Recent History, Historians of     |             |
| Europe.....                       | 9-10.15     |
| Ancient History, Roman Life....   | 10.30-11.45 |
| ELECTIVE.                         |             |
| Historical Development of         |             |
| France.....                       | 9-10.15     |
| Geology, Cosmogony.....           | 10.30-11.15 |
| POST-MAJOR.                       |             |
| Biology, Social Science.....      | 9-11        |

TUESDAY, JANUARY 27TH.

| GENERAL.                         | Hour.   |
|----------------------------------|---------|
| First Year English, Literature.. | 9-11    |
| MINOR.                           |         |
| Ancient History, Oriental.....   | 9-11    |
| Economics, Introduction to.....  | 9-11    |
| Philosophy, Problems in.....     | 9-11    |
| Physics.....                     | 9-12    |
| MAJOR.                           |         |
| Latin, Tacitus.....              | 9-11    |
| English, Essay and Novel.....    | 9-11    |
| Spanish.....                     | 9-12    |
| Mathematics, Differential and    |         |
| Integral Calculus.....           | 9-11    |
| Archæology.....                  | 9-11    |
| Chemistry.....                   | 9-12    |
| ELECTIVE.                        |         |
| German Composition.....          | 9-10.15 |
| POST-MAJOR.                      |         |
| Petrography.....                 | 9-11    |

WEDNESDAY, JANUARY 28TH.

| ELECTIVE.                        | Hour.   |
|----------------------------------|---------|
| History of Christian Doctrine... | 9-11    |
| POST-MAJOR.                      |         |
| Greek, Attic Orators.....        | 9-11    |
| Latin, Lucretius and Catullus... | 2- 4    |
| Old French.....                  | 2- 4    |
| French, Modern Literary Schools. | 9-11    |
| Spanish.....                     | 9-11    |
| History, American Constitution.  | 2- 4    |
| Politics, Amer. Const. Law.....  | 9-11    |
| Mathematics, Geometry.....       | 9-11    |
| Experimental Psychology.....     | 2- 4    |
| Biology, Protoplasm and the      |         |
| Cell.....                        | 9-10.15 |

## SCHEDULE OF MATRICULATION EXAMINATIONS,

THURSDAY, JANUARY 15TH.

|                           | Hour.      |
|---------------------------|------------|
| English Composition.....  | 9.30-12.30 |
| English Grammar, etc..... | 2.30- 4.30 |
| Greek Poets.....          | 4.45-5.45  |

FRIDAY, JANUARY 16TH.

|                        | Hour.      |
|------------------------|------------|
| Algebra.....           | 9.30-12    |
| Latin Poets.....       | 2.30- 4    |
| Greek Composition..... | 4.15- 5.15 |

MONDAY, FEBRUARY 2ND.

|                             | Hour.      |
|-----------------------------|------------|
| Minor Latin, Section A..... | 9.30-12.30 |
| Trigonometry.....           | 2.30- 4.30 |

TUESDAY, FEBRUARY 3RD.

|                             | Hour.      |
|-----------------------------|------------|
| Minor Latin, Section B..... | 9.30-12.30 |
| Solid Geometry.....         | 2.30- 4.30 |

This schedule of examinations is printed in advance in order that students may elect their courses and plan their examinations by it, so that it will be impossible to change the time of any examination, except in case of a change in the lecture schedule.

# FIRST SEMESTER, 1913-14.

## THURSDAY, JANUARY 22ND.

| ELEMENTARY.                                | Hour.    |
|--|----------|
| Greek.....                                 | 9-12     |
| German.....                                | 9-12     |
| French.....                                | 9-12     |
| GENERAL.                                   |          |
| Philosophy.....                            | 9-11     |
| MINOR.                                     |          |
| Greek, Plato and Sophocles.....            | 9-12.15  |
| French, Literature and Reading.....        | 9-11     |
| Greek and Roman Architecture.....          | 9-11     |
| Mathematics, Analytical Conics.....        | 9-11     |
| Chemistry.....                             | 9-12     |
| MAJOR.                                     |          |
| German, Literature.....                    | 9-11     |
| German, Reading and Composition.....       | 11-12.15 |
| Comparative Literature, Pastoral.....      | 9-11     |
| Modern History, The Renaissance.....       | 9-11     |
| Ancient History, Fifth Century Athens..... | 9-11     |
| Social Psychology.....                     | 9-11     |
| ELECTIVE.                                  |          |
| New Testament Canon.....                   | 9-10.15  |
| Geology, Evolution of Vertebrates.....     | 9-11     |
| Biology, Theoretical.....                  | 11-12.15 |

## FRIDAY, JANUARY 23RD.

| MINOR.                                   | Hour. |
|--|-------|
| Latin, Horace.....                       | 9-11  |
| English, Shakespeare.....                | 9-11  |
| Psychology of Instinct.....              | 9-11  |
| History of Art, Gothic Architecture..... | 9-11  |
| MAJOR.                                   |       |
| Greek, Literature.....                   | 9-11  |
| French, Reading and Composition.....     | 9-11  |
| History, United States from 1865.....    | 9-11  |
| Politics, Social Politics.....           | 9-11  |
| Economics, Industrial History.....       | 9-11  |
| ELECTIVE.                                |       |
| Descriptive Astronomy.....               | 9-11  |
| POST-MAJOR.                              |       |
| Chemistry, Organic.....                  | 9-11  |

## SATURDAY, JANUARY 24TH.

| GENERAL.  | Hour.   |
|---|---------|
| Second Year English, Literature.....            | 9-11    |
| MINOR.  |         |
| English, 19th Century Critics.....              | 9-11    |
| German, Grammar and Reading.....                | 9-11    |
| Spanish.....                                    | 9-12    |
| Comparative Literature, Renaissance Lyrics..... | 9-11    |
| History since 1799.....                         | 9-11    |
| Biology.....                                    | 9-12    |
| MAJOR.  |         |
| Philosophy, Plato and Aristotle.....            | 9-11    |
| Geology.....                                    | 9-12    |
| ELECTIVE.                                       |         |
| Graphic Mathematics.....                        | 9-10.15 |
| POST-MAJOR.                                     |         |
| Physics.....                                    | 9-11    |
| Chemistry.....                                  | 9-11    |

## THURSDAY, JANUARY 29TH.

| GENERAL.  | Hour.   |
|---|---------|
| Second Year English, Composition.....               | 9-11    |
| MINOR.  |         |
| English, Drama.....                                 | 9-11    |
| German, Literature.....                             | 9-11    |
| Comparative Literature, Renaissance Literature..... | 9-11    |
| History of the Reformation.....                     | 9-11    |
| History of England since 1066.....                  | 9-11    |
| MAJOR.  |         |
| Philosophy of the Nineteenth Century.....           | 9-11    |
| ELECTIVE.   |         |
| Mathematics Preparatory to Science.....             | 9-11    |
| Astro-physics.....                                  | 9-11    |
| POST-MAJOR.   |         |
| Greek, Sophocles.....                               | 2- 3.15 |
| Latin, Prose Composition.....                       | 2- 3.15 |
| Chemistry, Physical.....                            | 9-11    |

## FRIDAY, JANUARY 30TH.

| MINOR.                                   | Hour.   |
|--|---------|
| Latin, Cicero.....                       | 9-11    |
| English, Mid. Eag. Poetry.....           | 9-11    |
| Italian.....                             | 9-12    |
| Experimental Psychology.....             | 9-11    |
| History of Art, Italian Painting.....    | 9-11    |
| Geology.....                             | 9-12    |
| MAJOR.                                   |         |
| Greek, Demosthenes and Aristophanes..... | 9-12.15 |
| French, Literature.....                  | 9-11    |
| History of the French Revolution.....    | 9-11    |
| History of Economic Thought.....         | 9-11    |
| Physics.....                             | 9-12    |
| Biology.....                             | 9-12    |
| ELECTIVE.                                |         |
| Daily Themes.....                        | 2- 4    |
| Argumentation.....                       | 2- 4    |

## SATURDAY, JANUARY 31st.

| GENERAL.                              | Hour. |
|---------------------------------------|-------|
| First Year English, Composition.....  | 9-11  |
| MINOR.                                |       |
| Ancient History, Classical.....       | 9-11  |
| Politics, Problems in.....            | 9-11  |
| Economics, Sociology.....             | 9-11  |
| Philosophy, Descartes and Hume.....   | 9-11  |
| MAJOR.                                |       |
| Latin, Literature.....                | 9-11  |
| Mathematics, Theory of Equations..... | 9-11  |
| POST-MAJOR.                           |       |
| Biology, Physiological Chemistry..... | 9-11  |
| Mathematics, Theory of Functions..... | 2- 4  |

# JANUARY-FEBRUARY, 1914.

## SATURDAY, JANUARY 17TH.

|                          | Hour.      |
|--------------------------|------------|
| French.....              | 9.30-12.30 |
| History.....             | 2.30- 4    |
| Greek Prose Authors..... | 4.15- 5.15 |

## MONDAY, JANUARY 19TH.

|                        | Hour.     |
|------------------------|-----------|
| Geometry.....          | 9.30-12   |
| Latin Composition..... | 2.30-4    |
| Science.....           | 4.15-5.45 |

## TUESDAY, JANUARY 20TH.

|                          | Hour.      |
|--------------------------|------------|
| German.....              | 9.30-12.30 |
| Latin Prose Authors..... | 2.30- 4.30 |



# SCHEDULE OF COLLEGIATE EXAMINATIONS,

WEDNESDAY, MAY 20TH.

| GENERAL.                                    | Hour. |
|---|-------|
| First Year, English Composition.            | 9-11  |
| MINOR.                                      |       |
| Ancient History, Classical. ....            | 9-11  |
| Politics, Problems in. ....                 | 9-11  |
| Economics, Sociology. ....                  | 9-11  |
| Philosophy, Logic. ....                     | 9-11  |
| MAJOR.                                      |       |
| Latin, Literature. ....                     | 9-11  |
| Mathematics, Analytical Geom-<br>etry. .... | 9-11  |
| Post-MAJOR.                                 |       |
| Biology, Physiological Chemis-<br>try. .... | 9-11  |
| Mathematics, Theory of Func-<br>tions. .... | 2- 4  |

MONDAY, MAY 25TH.

| GENERAL.  | Hour.   |
|---|---------|
| Second Year, English Literature..                     | 9-11    |
| MINOR.  |         |
| English, Nineteenth Century<br>Orations. ....         | 9-11    |
| German, Grammar and Reading.                          | 9-11    |
| Spanish. ....   | 9-12    |
| Comparative Literature, Renais-<br>sance Lyrics. .... | 9-11    |
| History since 1799. ....                              | 9-11    |
| Biology, Embryology. ....                             | 9-10    |
| MAJOR.  |         |
| Philosophy, James and Bergson..                       | 9-11    |
| Geology. ....   | 9-12    |
| ELECTIVE.   |         |
| Graphic Mathematics. ....                             | 9-10.15 |
| Post-MAJOR.   |         |
| Physics. ....   | 9-11    |
| Chemistry. ....                                       | 9-11    |

TUESDAY, MAY 26TH.

| GENERAL.                                     | Hour.       |
|--|-------------|
| Psychology. ....                             | 9-11        |
| MINOR.                                       |             |
| Greek, Homer. ....                           | 9-11        |
| French, Reading and Composi-<br>tion. ....   | 9-11        |
| Greek Painting. ....                         | 9-10.15     |
| Mathematics, Theory of Equa-<br>tions. ....  | 9-11        |
| Chemistry, Organic. ....                     | 9-11        |
| MAJOR.                                       |             |
| German, Faust. ....                          | 9-11        |
| Comp. Lit., Victorian Poets. ....            | 9-11        |
| History, British Imperialism. ....           | 9-11        |
| Ancient History, Historians of<br>Rome. .... | 9-10.15     |
| Ancient History, Roman Life. ....            | 10.30-11.45 |
| ELECTIVE.                                    |             |
| Historical Development of<br>Physics. ....   | 9-10.15     |
| Geology, Cosmogony. ....                     | 10.30-11.45 |
| Post-MAJOR.                                  |             |
| Biology, Special Senses. ....                | 9-11        |

WEDNESDAY, MAY 27TH.

| ELECTIVE.  | Hour.   |
|--|---------|
| History of Christian Doctrine..  | 9-11    |
| English, Reading of Shakespeare.   | 9-11    |
| Post-MAJOR.  |         |
| Greek, Plato. ....   | 9-11    |
| Latin. ....  | 2- 4    |
| Old French. ....   | 2- 4    |
| French, Modern Literary Schools.   | 9-11    |
| Spanish. ....  | 9-11    |
| History, American Constitutional<br>Politics, American Constitutional<br>Law. .... | 9-11    |
| Mathematics, Geometry. ....  | 9-11    |
| Experimental Psychology. ....  | 2- 4    |
| Biology, Protoplasm and the Cell   | 9-10.15 |

## SCHEDULE OF MATRICULATION

MONDAY, JUNE 1ST.

|                              | Hour.      |
|------------------------------|------------|
| French. ....                 | 9.30-12.30 |
| History. ....                | 2.30- 4    |
| English, Prose Authors. .... | 4.15- 5.15 |

TUESDAY, JUNE 2ND.

|                         | Hour.      |
|-------------------------|------------|
| Geometry. ....          | 9.30-12    |
| Latin Composition. .... | 2.30- 4    |
| Science. ....           | 4.15- 5.45 |

WEDNESDAY, JUNE 3RD.

|                           | Hour.      |
|---------------------------|------------|
| German. ....              | 9.30-12.30 |
| Latin Prose Authors. .... | 2.30- 4.30 |

# SECOND SEMESTER, 1913-14.

THURSDAY, MAY 21st.

FRIDAY, MAY 22nd.

SATURDAY, MAY 23rd.

## ELECTIVE.

Hour.

|                                 |         |
|---------------------------------|---------|
| Literary Portraits.....         | 9-11    |
| Education.....                  | 9-11    |
| Post-Major.                     |         |
| Greek, Æschylus.....            | 2- 4    |
| Ancient History, Roman Empire   | 2- 3.15 |
| Latin, Roman Satire.....        | 9-11    |
| German, Literature and Reading  | 2- 4    |
| French, Short Story.....        | 2- 4    |
| History, England under the      |         |
| Stuarts.....                    | 9-11    |
| Economics, Economics and Social |         |
| Legislation.....                | 2- 4    |
| Statistics.....                 | 9-11    |

## ELEMENTARY.

Hour.

|             |         |
|-------------|---------|
| Greek.....  | 9-10.30 |
| German..... | 9-10.30 |
| French..... | 9-10.30 |

## GENERAL.

|                 |      |
|-----------------|------|
| Philosophy..... | 9-11 |
|-----------------|------|

## MINOR.

|                                   |         |
|-----------------------------------|---------|
| Greek, Herodotus and Euripides.   | 9-12.15 |
| French, Literature and Reading... | 9-11    |
| Greek and Roman Architecture...   | 9-11    |
| Mathematics, Differential and     |         |
| Integral Calculus.....            | 9-11    |
| Chemistry of Metals.....          | 9-11    |

## MAJOR.

|                                |          |
|--------------------------------|----------|
| German, Literature.....        | 9-11     |
| German, Reading and Composi-   |          |
| tion.....                      | 11-12.15 |
| Comparative Literature, Pas-   |          |
| toral.....                     | 9-11     |
| Modern History, Renaissance... | 9-11     |
| Ancient History, First Century |          |
| Roman Empire.....              | 9-11     |
| Social Psychology.....         | 9-11     |

## ELECTIVE.

|                               |          |
|-------------------------------|----------|
| New Testament Canon.....      | 9-10.15  |
| Geology, Evolution of Mammals | 9-11     |
| Biology, Theoretical.....     | 11-12.15 |

## MINOR.

Hour

|                                  |      |
|----------------------------------|------|
| Latin, Horace.....               | 9-11 |
| English, Shakespeare.....        | 9-11 |
| Animal Psychology.....           | 9-11 |
| History of Art, Gothic Architec- |      |
| ture.....                        | 9-11 |

## MAJOR.

|                                  |      |
|----------------------------------|------|
| Greek, Literature.....           | 9-11 |
| French, Reading and Composi-     |      |
| tion.....                        | 9-11 |
| History, United States from      |      |
| 1865.....                        | 9-11 |
| Politics, Social Politics.....   | 9-11 |
| Economics, Industrial History... | 9-11 |

## ELECTIVE.

|                            |      |
|----------------------------|------|
| Descriptive Astronomy..... | 9-11 |
|----------------------------|------|

## Post-Major.

|                         |      |
|-------------------------|------|
| Chemistry, Organic..... | 9-11 |
|-------------------------|------|

THURSDAY, MAY 28th.

FRIDAY, MAY 29th.

SATURDAY, MAY 30th.

## GENERAL.

Hour.

|                                   |      |
|-----------------------------------|------|
| First Year, English Literature... | 9-11 |
|-----------------------------------|------|

## MINOR.

|                                 |      |
|---------------------------------|------|
| Ancient History, Oriental.....  | 9-11 |
| Economics, Introduction to..... | 9-11 |
| Philosophy, Mod. Philosophical  |      |
| Theories.....                   | 9-11 |
| Physics.....                    | 9-12 |

## MAJOR.

|                                |      |
|--------------------------------|------|
| Latin, Comedy.....             | 9-11 |
| English, Essay and Novel.....  | 9-11 |
| Spanish.....                   | 9-12 |
| Mathematics, Curve Tracing and |      |
| History.....                   | 9-11 |
| Archæology.....                | 9-11 |
| Chemistry.....                 | 9-12 |

## ELECTIVE.

|                               |         |
|-------------------------------|---------|
| German Prose Composition..... | 9-10.15 |
|-------------------------------|---------|

## Post-Major.

|                        |      |
|------------------------|------|
| Petrography.....       | 9-11 |
| Verse Composition..... | 2- 4 |

## GENERAL.

Hour.

|                               |      |
|-------------------------------|------|
| Second Year, English Composi- |      |
| tion.....                     | 9-11 |

## MINOR.

|                                  |      |
|----------------------------------|------|
| English Drama.....               | 9-11 |
| German, Literature.....          | 9-11 |
| Comparative Literature, Renais-  |      |
| sance Literature.....            | 9-11 |
| History of the Reformation.....  | 9-11 |
| History of England since 1066... | 9-11 |

## MAJOR

|                              |      |
|------------------------------|------|
| Comte, Mill and Spencer..... | 9-11 |
|------------------------------|------|

## ELECTIVE.

|                             |      |
|-----------------------------|------|
| Mathematics, Preparatory to |      |
| Science.....                | 9-11 |
| Astro-physics.....          | 9-11 |

## Post-Major.

|                               |         |
|-------------------------------|---------|
| Greek, Prose Composition..... | 2- 3.15 |
| Latin, Prose Composition..... | 2- 3.15 |
| Chemistry, Physical.....      | 9- 11   |

## MINOR.

Hour.

|                                     |      |
|-------------------------------------|------|
| Latin, Terence.....                 | 9-11 |
| English, Chaucer.....               | 9-11 |
| Italian.....                        | 9-12 |
| Experimental Psychology.....        | 9-11 |
| History of Art, Italian Painting... | 9-11 |
| Geology.....                        | 9-12 |

## MAJOR.

|                                  |      |
|----------------------------------|------|
| Greek, Thucydides and Sophocles  | 9-11 |
| French, Literature.....          | 9-11 |
| History of the French Revolution | 9-11 |
| History of Economic Thought...   | 9-11 |
| Physics.....                     | 9-12 |
| Biology, Vertebrates.....        | 9-11 |

## ELECTIVE.

|                    |      |
|--------------------|------|
| Argumentation..... | 2- 4 |
|--------------------|------|

# EXAMINATIONS, SPRING, 1914.

THURSDAY, MAY 28th.

FRIDAY, MAY 29th.

SATURDAY, MAY 30th.

## MINOR.

Hour.

|                             |            |
|-----------------------------|------------|
| Minor Latin, Section A..... | 9.30-12.30 |
| Trigonometry.....           | 9.30-11.30 |
| Minor Latin, Section B..... | 2.30- 5.30 |
| Solid Geometry.....         | 2.30- 4.30 |

## MINOR.

Hour.

|                           |            |
|---------------------------|------------|
| English Composition.....  | 9.30-12.30 |
| English Grammar, etc..... | 2.30- 4.30 |
| Greek Poets.....          | 4.45- 5.45 |

## MINOR.

Hour.

|                        |            |
|------------------------|------------|
| Algebra.....           | 9.30-12    |
| Latin Poets.....       | 2.30- 4    |
| Greek Composition..... | 4.15- 5.15 |





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FOR ACQUIRING

# BRYN MAWR COLLEGE

## CALENDAR

UNDERGRADUATE AND GRADUATE  
COURSES

1914



BRYN MAWR, PENNSYLVANIA.  
Published by Bryn Mawr College,  
May, 1914.

Volume VII. Part 3.





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# BRYN MAWR COLLEGE

## CALENDAR

### UNDERGRADUATE AND GRADUATE COURSES

1914

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BRYN MAWR, PENNSYLVANIA.

Published by Bryn Mawr College.  
Vol. VII. Part 3. May, 1914.

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# BRYN MAWR COLLEGE CALENDAR

1914.

PART 1. Register of Alumnae and Former Students.

PART 2. Graduate Courses.

PART 3. Undergraduate and Graduate Courses.

PART 4. Academic Buildings and Halls of Residence  
Plans and Descriptions.

# BRYN MAWR COLLEGE.

## COLLEGE CALENDAR.

| 1914.     |    |     |    |     |     |     |            |    |     |    |     |     |     | 1915.     |    |     |    |     |     |     |           |    |     |    |     |     |     |
|-----------|----|-----|----|-----|-----|-----|------------|----|-----|----|-----|-----|-----|-----------|----|-----|----|-----|-----|-----|-----------|----|-----|----|-----|-----|-----|
| JANUARY.  |    |     |    |     |     |     | JULY.      |    |     |    |     |     |     | JANUARY.  |    |     |    |     |     |     | FEBRUARY. |    |     |    |     |     |     |
| Su.       | M. | Tu. | W. | Th. | Fr. | Sa. | Su.        | M. | Tu. | W. | Th. | Fr. | Sa. | Su.       | M. | Tu. | W. | Th. | Fr. | Sa. | Su.       | M. | Tu. | W. | Th. | Fr. | Sa. |
| ..        | .. | ..  | .. | 1   | 2   | 3   | ..         | .. | ..  | 1  | 2   | 3   | 4   | ..        | .. | ..  | .. | ..  | 1   | 2   | ..        | 1  | 2   | 3  | 4   | 5   | 6   |
| 4         | 5  | 6   | 7  | 8   | 9   | 10  | 5          | 6  | 7   | 8  | 9   | 10  | 11  | 3         | 4  | 5   | 6  | 7   | 8   | 9   | 7         | 8  | 9   | 10 | 11  | 12  | 13  |
| 11        | 12 | 13  | 14 | 15  | 16  | 17  | 12         | 13 | 14  | 15 | 16  | 17  | 18  | 10        | 11 | 12  | 13 | 14  | 15  | 16  | 10        | 11 | 12  | 13 | 14  | 15  | 16  |
| 18        | 19 | 20  | 21 | 22  | 23  | 24  | 19         | 20 | 21  | 22 | 23  | 24  | 25  | 17        | 18 | 19  | 20 | 21  | 22  | 23  | 17        | 18 | 19  | 20 | 21  | 22  | 23  |
| 25        | 26 | 27  | 28 | 29  | 30  | 31  | 26         | 27 | 28  | 29 | 30  | 31  | ..  | 24        | 25 | 26  | 27 | 28  | 29  | 30  | 24        | 25 | 26  | 27 | 28  | 29  | 30  |
| ..        | .. | ..  | .. | ..  | ..  | ..  | ..         | .. | ..  | .. | ..  | ..  | ..  | ..        | .. | ..  | .. | ..  | ..  | ..  | ..        | .. | ..  | .. | ..  | ..  | ..  |
| FEBRUARY. |    |     |    |     |     |     | AUGUST.    |    |     |    |     |     |     | FEBRUARY. |    |     |    |     |     |     | MARCH.    |    |     |    |     |     |     |
| 1         | 2  | 3   | 4  | 5   | 6   | 7   | ..         | .. | ..  | .. | ..  | ..  | 1   | ..        | 1  | 2   | 3  | 4   | 5   | 6   | ..        | 1  | 2   | 3  | 4   | 5   | 6   |
| 8         | 9  | 10  | 11 | 12  | 13  | 14  | 2          | 3  | 4   | 5  | 6   | 7   | 8   | 7         | 8  | 9   | 10 | 11  | 12  | 13  | 7         | 8  | 9   | 10 | 11  | 12  | 13  |
| 15        | 16 | 17  | 18 | 19  | 20  | 21  | 9          | 10 | 11  | 12 | 13  | 14  | 15  | 14        | 15 | 16  | 17 | 18  | 19  | 20  | 14        | 15 | 16  | 17 | 18  | 19  | 20  |
| 22        | 23 | 24  | 25 | 26  | 27  | 28  | 16         | 17 | 18  | 19 | 20  | 21  | 22  | 21        | 22 | 23  | 24 | 25  | 26  | 27  | 21        | 22 | 23  | 24 | 25  | 26  | 27  |
| ..        | .. | ..  | .. | ..  | ..  | ..  | 23         | 24 | 25  | 26 | 27  | 28  | 29  | ..        | .. | ..  | .. | ..  | ..  | ..  | ..        | .. | ..  | .. | ..  | ..  | ..  |
| ..        | .. | ..  | .. | ..  | ..  | ..  | 30         | 31 | ..  | .. | ..  | ..  | ..  | ..        | .. | ..  | .. | ..  | ..  | ..  | ..        | .. | ..  | .. | ..  | ..  | ..  |
| MARCH.    |    |     |    |     |     |     | SEPTEMBER. |    |     |    |     |     |     | MARCH.    |    |     |    |     |     |     | APRIL.    |    |     |    |     |     |     |
| 1         | 2  | 3   | 4  | 5   | 6   | 7   | ..         | .. | 1   | 2  | 3   | 4   | 5   | ..        | 1  | 2   | 3  | 4   | 5   | 6   | ..        | 1  | 2   | 3  | 4   | 5   | 6   |
| 8         | 9  | 10  | 11 | 12  | 13  | 14  | 6          | 7  | 8   | 9  | 10  | 11  | 12  | 7         | 8  | 9   | 10 | 11  | 12  | 13  | 7         | 8  | 9   | 10 | 11  | 12  | 13  |
| 15        | 16 | 17  | 18 | 19  | 20  | 21  | 13         | 14 | 15  | 16 | 17  | 18  | 19  | 14        | 15 | 16  | 17 | 18  | 19  | 20  | 14        | 15 | 16  | 17 | 18  | 19  | 20  |
| 22        | 23 | 24  | 25 | 26  | 27  | 28  | 20         | 21 | 22  | 23 | 24  | 25  | 26  | 21        | 22 | 23  | 24 | 25  | 26  | 27  | 21        | 22 | 23  | 24 | 25  | 26  | 27  |
| 29        | 30 | 31  | .. | ..  | ..  | ..  | 27         | 28 | 29  | 30 | ..  | ..  | ..  | 28        | 29 | 30  | 31 | ..  | ..  | ..  | 28        | 29 | 30  | 31 | ..  | ..  | ..  |
| ..        | .. | ..  | .. | ..  | ..  | ..  | ..         | .. | ..  | .. | ..  | ..  | ..  | ..        | .. | ..  | .. | ..  | ..  | ..  | ..        | .. | ..  | .. | ..  | ..  | ..  |
| APRIL.    |    |     |    |     |     |     | OCTOBER.   |    |     |    |     |     |     | APRIL.    |    |     |    |     |     |     | MAY.      |    |     |    |     |     |     |
| ..        | .. | ..  | 1  | 2   | 3   | 4   | ..         | .. | ..  | .. | 1   | 2   | 3   | ..        | .. | ..  | .. | 1   | 2   | 3   | ..        | .. | ..  | .. | ..  | ..  | ..  |
| 5         | 6  | 7   | 8  | 9   | 10  | 11  | 4          | 5  | 6   | 7  | 8   | 9   | 10  | 4         | 5  | 6   | 7  | 8   | 9   | 10  | 4         | 5  | 6   | 7  | 8   | 9   |     |
| 12        | 13 | 14  | 15 | 16  | 17  | 18  | 11         | 12 | 13  | 14 | 15  | 16  | 17  | 11        | 12 | 13  | 14 | 15  | 16  | 17  | 11        | 12 | 13  | 14 | 15  | 16  |     |
| 19        | 20 | 21  | 22 | 23  | 24  | 25  | 18         | 19 | 20  | 21 | 22  | 23  | 24  | 18        | 19 | 20  | 21 | 22  | 23  | 24  | 18        | 19 | 20  | 21 | 22  | 23  | 24  |
| 26        | 27 | 28  | 29 | 30  | ..  | ..  | 25         | 26 | 27  | 28 | 29  | 30  | 31  | 25        | 26 | 27  | 28 | 29  | 30  | ..  | 25        | 26 | 27  | 28 | 29  | 30  | ..  |
| ..        | .. | ..  | .. | ..  | ..  | ..  | ..         | .. | ..  | .. | ..  | ..  | ..  | ..        | .. | ..  | .. | ..  | ..  | ..  | ..        | .. | ..  | .. | ..  | ..  | ..  |
| MAY.      |    |     |    |     |     |     | NOVEMBER.  |    |     |    |     |     |     | MAY.      |    |     |    |     |     |     | JUNE.     |    |     |    |     |     |     |
| ..        | .. | ..  | .. | ..  | 1   | 2   | 1          | 2  | 3   | 4  | 5   | 6   | 7   | ..        | .. | ..  | .. | ..  | ..  | 1   | ..        | 1  | 2   | 3  | 4   | 5   | 6   |
| 3         | 4  | 5   | 6  | 7   | 8   | 9   | 8          | 9  | 10  | 11 | 12  | 13  | 14  | 2         | 3  | 4   | 5  | 6   | 7   | 8   | 3         | 4  | 5   | 6  | 7   | 8   |     |
| 10        | 11 | 12  | 13 | 14  | 15  | 16  | 15         | 16 | 17  | 18 | 19  | 20  | 21  | 9         | 10 | 11  | 12 | 13  | 14  | 15  | 9         | 10 | 11  | 12 | 13  | 14  |     |
| 17        | 18 | 19  | 20 | 21  | 22  | 23  | 22         | 23 | 24  | 25 | 26  | 27  | 28  | 16        | 17 | 18  | 19 | 20  | 21  | 22  | 16        | 17 | 18  | 19 | 20  | 21  |     |
| 24        | 25 | 26  | 27 | 28  | 29  | 30  | 29         | 30 | ..  | .. | ..  | ..  | ..  | 23        | 24 | 25  | 26 | 27  | 28  | 29  | 23        | 24 | 25  | 26 | 27  | 28  |     |
| 31        | .. | ..  | .. | ..  | ..  | ..  | ..         | .. | ..  | .. | ..  | ..  | ..  | 30        | 31 | ..  | .. | ..  | ..  | ..  | 30        | 31 | ..  | .. | ..  | ..  |     |
| JUNE.     |    |     |    |     |     |     | DECEMBER.  |    |     |    |     |     |     | JUNE.     |    |     |    |     |     |     | JUNE.     |    |     |    |     |     |     |
| ..        | 1  | 2   | 3  | 4   | 5   | 6   | ..         | .. | 1   | 2  | 3   | 4   | 5   | ..        | .. | 1   | 2  | 3   | 4   | 5   | ..        | .. | 1   | 2  | 3   | 4   | 5   |
| 7         | 8  | 9   | 10 | 11  | 12  | 13  | 6          | 7  | 8   | 9  | 10  | 11  | 12  | 6         | 7  | 8   | 9  | 10  | 11  | 12  | 6         | 7  | 8   | 9  | 10  | 11  | 12  |
| 14        | 15 | 16  | 17 | 18  | 19  | 20  | 13         | 14 | 15  | 16 | 17  | 18  | 19  | 13        | 14 | 15  | 16 | 17  | 18  | 19  | 13        | 14 | 15  | 16 | 17  | 18  | 19  |
| 21        | 22 | 23  | 24 | 25  | 26  | 27  | 20         | 21 | 22  | 23 | 24  | 25  | 26  | 20        | 21 | 22  | 23 | 24  | 25  | 26  | 20        | 21 | 22  | 23 | 24  | 25  | 26  |
| 28        | 29 | 30  | .. | ..  | ..  | ..  | 27         | 28 | 29  | 30 | 31  | ..  | ..  | 27        | 28 | 29  | 30 | 31  | ..  | ..  | 27        | 28 | 29  | 30 | ..  | ..  | ..  |
| ..        | .. | ..  | .. | ..  | ..  | ..  | ..         | .. | ..  | .. | ..  | ..  | ..  | ..        | .. | ..  | .. | ..  | ..  | ..  | ..        | .. | ..  | .. | ..  | ..  | ..  |

The academic year will close with the Conferring of Degrees at eleven o'clock, on June 3rd, 1915.



## ACADEMIC YEAR, 1914-15.

|                 |   |
|-----------------|---|
| September 22nd. | Matriculation examinations begin.   |
| September 28th. | Registration of students. Halls of Residence open for students at three p. m. |
| September 29th. | Registration of students.<br>Matriculation examinations end.                  |
| September 30th. | The work of the thirtieth academic year begins at a quarter to nine o'clock.  |
| October 1st.    | Examinations for advanced standing begin.                                     |
| October 10th.   | Senior oral examination in French.  |
| October 17th.   | Senior oral examination in German.  |
| October 22nd.   | Examinations for advanced standing end.                                       |
| November 16th.  | Collegiate and matriculation condition examinations begin.                    |
| November 24th.  | Collegiate and matriculation condition examinations end.                      |
| November 25th.  | Thanksgiving vacation begins at one o'clock.                                  |
| November 30th.  | Thanksgiving vacation ends at nine o'clock.                                   |
| December 5th.   | Senior oral examination in French.  |
| December 12th.  | Senior oral examination in German.  |
| December 22nd.  | Christmas vacation begins at one o'clock.                                     |
| January 6th.    | Christmas vacation ends at nine o'clock.                                      |
| January 14th.   | Matriculation examinations begin.   |
| January 19th.   | Matriculation examinations end.   |
| January 20th.   | Half-yearly collegiate examinations begin.                                    |
| January 30th.   | Collegiate examinations end.<br>Annual meeting of the Alumnæ Association.     |
| February 1st.   | Vacation.   |
| February 2nd.   | Vacation.   |
| February 3rd.   | The work of the second semester begins at a quarter to nine o'clock.          |
| February 4th.   | Examinations for advanced standing begin.                                     |
| February 25th.  | Examinations for advanced standing end.                                       |
| March 13th.     | Senior oral examinations in French and German.                                |
| March 17th.     | Mid-semester examination in matriculation Greek.                              |
| March 19th.     | Announcement of European Fellowships.   |
| March 22nd.     | Collegiate and matriculation condition examinations begin.                    |
| March 30th.     | Collegiate and matriculation condition examinations end.                      |
| March 31st.     | Easter vacation begins at one o'clock.  |
| April 8th.      | Easter vacation ends at nine o'clock.   |
| May 8th.        | Senior oral examinations in French and German.                                |
| May 18th.       | Vacation.   |
| May 19th.       | Collegiate examinations begin.  |
| May 27th.       | Matriculation examinations begin.   |

|           |   |
|-----------|---|
| May 29th. | Collegiate examinations end.                                |
| June 2nd. | Matriculation examinations end.                             |
| June 3rd. | Conferring of degrees and close of thirtieth academic year. |

#### ACADEMIC YEAR, 1915-16.

|                 |   |
|-----------------|---|
| September 21st. | Matriculation examinations begin.   |
| September 27th. | Registration of students. Halls of Residence open for students at three p. m.   |
| September 28th. | Registration of students.<br>Matriculation examinations end.                    |
| September 29th. | The work of the thirty-first academic year begins at a quarter to nine o'clock. |

## SPRING, 1914.

## THURSDAY, MAY 28.

|                        |        |
|------------------------|--------|
| <i>Minor Latin, A,</i> | 9½—12½ |
| <i>Trigonometry,</i>   | 9½—11½ |
| <i>Minor Latin, B,</i> | 2½—5½  |
| <i>Solid Geometry,</i> | 2½—4½  |

## FRIDAY, MAY 29.

|                               |        |
|-------------------------------|--------|
| <i>English Composition,</i>   | 9½—12½ |
| <i>English Grammar, etc.,</i> | 2½—4½  |
| <i>Greek Poets,</i>           | 4¼—5¾  |

## SATURDAY, MAY 30.

|   |       |
|---|-------|
| <i>Algebra,</i>                             | 9½—12 |
| <i>Latin Poets,</i>                         | 2½—4  |
| <i>Greek Grammar and Com-<br/>position,</i> | 4¼—5¼ |

## AUTUMN, 1914.

## TUESDAY, SEPTEMBER 22.

|                               |        |
|-------------------------------|--------|
| <i>English Composition,</i>   | 9½—12½ |
| <i>English Grammar, etc.,</i> | 2½—4½  |
| <i>Greek Poets,</i>           | 4¾—5¾  |

## WEDNESDAY, SEPTEMBER 23.

|   |       |
|---|-------|
| <i>Algebra,</i>                             | 9½—12 |
| <i>Latin Poets,</i>                         | 2½—4  |
| <i>Greek Grammar and Com-<br/>position,</i> | 4¼—5¼ |

## THURSDAY, SEPTEMBER 24.

|                             |        |
|-----------------------------|--------|
| <i>French,</i>              | 9½—12½ |
| <i>History,</i>             | 2½—4   |
| <i>Greek Prose Authors,</i> | 4¼—5¼  |

## FRIDAY, SEPTEMBER 25.

|                           |       |
|---------------------------|-------|
| <i>Geometry,</i>          | 9½—12 |
| <i>Latin Composition,</i> | 2½—4  |
| <i>Science,</i>           | 4¼—5¾ |

## SATURDAY, SEPTEMBER 26.

|                             |        |
|-----------------------------|--------|
| <i>German,</i>              | 9½—12½ |
| <i>Latin Prose Authors,</i> | 2½—4½  |

## WEDNESDAY, SEPTEMBER 30.

|                        |        |
|------------------------|--------|
| <i>Minor Latin, A,</i> | 9½—12½ |
| <i>Trigonometry,</i>   | 2½—4½  |

## THURSDAY, OCTOBER 1.

|                        |        |
|------------------------|--------|
| <i>Minor Latin, B,</i> | 9½—12½ |
| <i>Solid Geometry,</i> | 2½—4½  |

## MONDAY, JUNE 1.

|                             |        |
|-----------------------------|--------|
| <i>French,</i>              | 9½—12½ |
| <i>History,</i>             | 2½—4   |
| <i>Greek Prose Authors,</i> | 4¼—5¼  |

## TUESDAY, JUNE 2.

|                           |       |
|---------------------------|-------|
| <i>Geometry,</i>          | 9½—12 |
| <i>Latin Composition,</i> | 2½—4  |
| <i>Science,</i>           | 4¼—5¾ |

## WEDNESDAY, JUNE 3.

|                             |        |
|-----------------------------|--------|
| <i>German,</i>              | 9½—12½ |
| <i>Latin Prose Authors,</i> | 2½—4½  |

## WINTER, 1915.

## THURSDAY, JANUARY 14.

|                               |        |
|-------------------------------|--------|
| <i>English Composition,</i>   | 9½—12½ |
| <i>English Grammar, etc.,</i> | 2½—4½  |
| <i>Greek Poets,</i>           | 4¾—5¾  |

## FRIDAY, JANUARY 15.

|   |       |
|---|-------|
| <i>Algebra,</i>                             | 9½—12 |
| <i>Latin Poets,</i>                         | 2½—4  |
| <i>Greek Grammar and Com-<br/>position,</i> | 4¼—5¼ |

## SATURDAY, JANUARY 16.

|                             |        |
|-----------------------------|--------|
| <i>French,</i>              | 9½—12½ |
| <i>History,</i>             | 2½—4   |
| <i>Greek Prose Authors,</i> | 4¼—5¼  |

## MONDAY, JANUARY 18.

|                           |       |
|---------------------------|-------|
| <i>Geometry,</i>          | 9½—12 |
| <i>Latin Composition,</i> | 2½—4  |
| <i>Science,</i>           | 4¼—5¾ |

## TUESDAY, JANUARY 19.

|                             |        |
|-----------------------------|--------|
| <i>German,</i>              | 9½—12½ |
| <i>Latin Prose Authors,</i> | 2½—4½  |

## MONDAY, FEBRUARY 1.

|                        |        |
|------------------------|--------|
| <i>Minor Latin, A,</i> | 9½—12½ |
| <i>Trigonometry,</i>   | 2½—4½  |

## TUESDAY, FEBRUARY 2.

|                        |        |
|------------------------|--------|
| <i>Minor Latin, B,</i> | 9½—12½ |
| <i>Solid Geometry,</i> | 2½—4½  |

# SPRING, 1915.

## THURSDAY, MAY 27.

|                                  |                              |
|----------------------------------|------------------------------|
| <i>Minor Latin, A,</i> . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Trigonometry,</i> . . . . .   | $9\frac{1}{2}-11\frac{1}{2}$ |
| <i>Minor Latin, B,</i> . . . . . | $2\frac{1}{2}-5\frac{1}{2}$  |
| <i>Solid Geometry,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## FRIDAY, MAY 28.

|                                   |                              |
|-----------------------------------|------------------------------|
| <i>English Composition,</i> . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>English Grammar, etc.,</i> . . | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Poets,</i> . . . . .     | $4\frac{3}{4}-5\frac{3}{4}$  |

## SATURDAY, MAY 29.

|   |                             |
|---|-----------------------------|
| <i>Algebra,</i> . . . . .                             | $9\frac{1}{2}-12$           |
| <i>Latin Poets,</i> . . . . .                         | $2\frac{1}{2}-4$            |
| <i>Greek Grammar and Com-<br/>position,</i> . . . . . | $4\frac{1}{4}-5\frac{1}{4}$ |

## AUTUMN, 1915.

### TUESDAY, SEPTEMBER 21.

|                                   |                              |
|-----------------------------------|------------------------------|
| <i>English Composition,</i> . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>English Grammar, etc.,</i> . . | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Poets,</i> . . . . .     | $4\frac{3}{4}-5\frac{3}{4}$  |

### WEDNESDAY, SEPTEMBER 22.

|   |                             |
|---|-----------------------------|
| <i>Algebra,</i> . . . . .                             | $9\frac{1}{2}-12$           |
| <i>Latin Poets,</i> . . . . .                         | $2\frac{1}{2}-4$            |
| <i>Greek Grammar and Com-<br/>position,</i> . . . . . | $4\frac{1}{4}-5\frac{1}{4}$ |

### THURSDAY, SEPTEMBER 23.

|                                   |                              |
|-----------------------------------|------------------------------|
| <i>French,</i> . . . . .          | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>History,</i> . . . . .         | $2\frac{1}{2}-4$             |
| <i>Greek Prose Authors,</i> . . . | $4\frac{1}{4}-5\frac{1}{4}$  |

### FRIDAY, SEPTEMBER 24.

|                                   |                             |
|-----------------------------------|-----------------------------|
| <i>Geometry,</i> . . . . .        | $9\frac{1}{2}-12$           |
| <i>Latin Composition,</i> . . . . | $2\frac{1}{2}-4$            |
| <i>Science,</i> . . . . .         | $4\frac{1}{4}-5\frac{3}{4}$ |

### SATURDAY, SEPTEMBER 25.

|                                   |                              |
|-----------------------------------|------------------------------|
| <i>German,</i> . . . . .          | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Latin Prose Authors,</i> . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

### WEDNESDAY, SEPTEMBER 29.

|                                  |                              |
|----------------------------------|------------------------------|
| <i>Minor Latin, A,</i> . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Trigonometry,</i> . . . . .   | $2\frac{1}{2}-4\frac{1}{2}$  |

### THURSDAY, SEPTEMBER 30.

|                                  |                              |
|----------------------------------|------------------------------|
| <i>Minor Latin, B,</i> . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Solid Geometry,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## MONDAY, MAY 31.

|                                   |                              |
|-----------------------------------|------------------------------|
| <i>French,</i> . . . . .          | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>History,</i> . . . . .         | $2\frac{1}{2}-4$             |
| <i>Greek Prose Authors,</i> . . . | $4\frac{1}{4}-5\frac{1}{4}$  |

## TUESDAY, JUNE 1.

|                                   |                             |
|-----------------------------------|-----------------------------|
| <i>Geometry,</i> . . . . .        | $9\frac{1}{2}-12$           |
| <i>Latin Composition,</i> . . . . | $2\frac{1}{2}-4$            |
| <i>Science,</i> . . . . .         | $4\frac{1}{4}-5\frac{3}{4}$ |

## WEDNESDAY, JUNE 2.

|                                   |                              |
|-----------------------------------|------------------------------|
| <i>German,</i> . . . . .          | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Latin Prose Authors,</i> . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## WINTER, 1916.

### THURSDAY, JANUARY 13.

|                                   |                              |
|-----------------------------------|------------------------------|
| <i>English Composition,</i> . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>English Grammar, etc.,</i> . . | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Poets,</i> . . . . .     | $4\frac{3}{4}-5\frac{3}{4}$  |

### FRIDAY, JANUARY 14.

|   |                             |
|---|-----------------------------|
| <i>Algebra,</i> . . . . .                             | $9\frac{1}{2}-12$           |
| <i>Latin Poets,</i> . . . . .                         | $2\frac{1}{2}-4$            |
| <i>Greek Grammar and Com-<br/>position,</i> . . . . . | $4\frac{1}{4}-5\frac{1}{4}$ |

### SATURDAY, JANUARY 15.

|                                   |                              |
|-----------------------------------|------------------------------|
| <i>French,</i> . . . . .          | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>History,</i> . . . . .         | $2\frac{1}{2}-4$             |
| <i>Greek Prose Authors,</i> . . . | $4\frac{1}{4}-5\frac{1}{4}$  |

### MONDAY, JANUARY 17.

|                                   |                             |
|-----------------------------------|-----------------------------|
| <i>Geometry,</i> . . . . .        | $9\frac{1}{2}-12$           |
| <i>Latin Composition,</i> . . . . | $2\frac{1}{2}-4$            |
| <i>Science,</i> . . . . .         | $4\frac{1}{4}-5\frac{3}{4}$ |

### TUESDAY, JANUARY 18.

|                                   |                              |
|-----------------------------------|------------------------------|
| <i>German,</i> . . . . .          | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Latin Prose Authors,</i> . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

### MONDAY, JANUARY 31.

|                                  |                              |
|----------------------------------|------------------------------|
| <i>Minor Latin, A,</i> . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Trigonometry,</i> . . . . .   | $2\frac{1}{2}-4\frac{1}{2}$  |

### TUESDAY, FEBRUARY 1.

|                                  |                              |
|----------------------------------|------------------------------|
| <i>Minor Latin, B,</i> . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Solid Geometry,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |



## CORPORATION.

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ARTHUR HENRY THOMAS.

WILLIAM C. DENNIS.

## BOARD OF DIRECTORS.

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ARTHUR HENRY THOMAS.  
ELIZABETH NIELDS BANCROFT.

## OFFICERS OF ADMINISTRATION.

ACADEMIC YEAR, 1913-14.

*President,*

M. CAREY THOMAS, PH.D., LL.D.

Office: Taylor Hall.

*Dean of the College,*

MARION REILLY, A.B.

Office: Taylor Hall.

*Recording Dean and Assistant to the President,*

ISABEL MADDISON, B.Sc., PH.D.

Office: Taylor Hall.

*Secretary,*

EDITH ORLADY, A.B. Office: Taylor Hall.

*Recording Secretary,*

ABIGAIL CAMP DIMON, A.M. Office: Taylor Hall.

*Wardens of the Halls of Residence,*

MARTHA GIBBONS THOMAS, A.B., Pembroke Hall.

SUSANNE CAREY ALLINSON, A.B., Radnor Hall.

ELEANOR BONTECOU, A.B., Denbigh Hall.

RUTH BABCOCK, A.B., Merion Hall.

HILDA WORTHINGTON SMITH, A.M., Rockefeller Hall.

FRANCES ALLEN FOSTER, A.B., Assistant Warden, Pembroke Hall.

*Comptroller,*

SANDY L. HURST. Office: Taylor Hall.

*Business Manager,*

MIRIAM MARGARET HEDGES, A.B. Office: Taylor Hall.

*Junior Bursar,*

MARGARET A. PROCTOR, A.B. Office: Rockefeller Hall.

*Librarian,*

LOIS ANTOINETTE REED, A.B., B.L.S. Office: The Library.

*Director of Athletics and Gymnastics and Supervisor of Health.*

CONSTANCE M. K. APPLEBEE. Office: The Gymnasium.

*Physician in Chief,*THOMAS F. BRANSON, M.D. Office hours, 8 to 9.30 and 2 to 3 daily,  
Rosemont, Pa.*Assistant Physician,*FRANCES R. SPRAGUE, M.D. Pembroke Road, Bryn Mawr; Office hours,  
The Infirmary, Bryn Mawr College, 4 to 6 daily except Sunday.*Examining Oculist,*HELEN MURPHY, M.D. Office hours, 2 to 4 daily, 1433 Spruce Street,  
Philadelphia.

## ACADEMIC APPOINTMENTS.

### ACADEMIC YEAR, 1913-14.

M. CAREY THOMAS, PH.D., LL.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipzig, 1879-82; Ph.D., University of Zurich, 1882; Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

CHARLOTTE ANGAS SCOTT, D.Sc., *Alumna Professor of Mathematics.*

Lincoln, England. Graduate in Honours, Girton College, University of Cambridge, England, 1880; B.Sc., University of London, 1882; Lecturer on Mathematics in Girton College, England, 1880-84; lectured in connection with Newnham College, University of Cambridge, England, 1880-83; D.Sc., University of London, 1885.

GEORGE A. BARTON, PH.D., *Professor of Biblical Literature and Semitic Languages.*

A.B., Haverford College, 1882, and A.M., 1885; studied under the direction of the American Institute of Hebrew, 1885-86; Harvard University, 1888-91; Thayer Scholar, Harvard University, 1889-91; A.M., Harvard University, 1890; Ph.D., Harvard University, 1891; Director of the American School of Oriental Study and Research in Palestine, 1902-03.

FLORENCE BASCOM, PH.D., *Professor of Geology.*

A.B., University of Wisconsin, 1882, B.Sc., 1884, and A.M., 1887; Johns Hopkins University, 1891-93; Ph.D., Johns Hopkins University, 1893; Assistant in Geology and Instructor in Petrography, Ohio State University, 1893-95.

ISABEL MADDISON, B.Sc., PH.D., *Recording Dean and Assistant to the President.*

Reading, England. B.Sc., University of London, 1893; Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889-92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship and Student in Mathematics, University of Göttingen, 1894-95.

WILMER CAVE WRIGHT, PH.D., *Associate Professor of Greek.*

Shrewsbury, England. Girton College, University of Cambridge, England, 1888-92; Graduate in Honours, Cambridge Classical Tripos, 1892; Ph.D., University of Chicago, 1895; Fellow in Greek, Bryn Mawr College, 1892-93; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96.

JAMES H. LEUBA, PH.D., *Professor of Psychology and Education.*

Neuchâtel, Switzerland. B.S., University of Neuchâtel, 1886; Ph.B., Ursinus College, 1888; Scholar in Psychology, Clark University, 1892-93; Fellow in Psychology, Clark University, 1893-95; Ph.D., Clark University, 1896.

FONGER DEHAAN, PH.D., *Professor of Spanish.*

Leeuwarden, Holland. Ph.D., Johns Hopkins University, 1895; Instructor in Modern Languages, Lehigh University, 1885-91; Fellow in Romance Languages, Johns Hopkins University, 1893-94, Assistant in Romance Languages, 1893-95, Instructor in Romance Languages, 1895-96, and Associate in Romance Languages, 1896-97.

ARTHUR LESLIE WHEELER, PH.D., *Professor of Latin.*

A.B., Yale University, 1893; Scholar and Student in Classics, Yale College, 1893-96; Ph.D., Yale University, 1896; Instructor and Tutor in Latin, Yale College, 1894-1900.

HENRY NEVILL SANDERS, PH.D., *Professor of Greek.*

Edinburgh, Scotland. A.B., Trinity University, Toronto, 1894, and A.M., 1897; Ph.D., Johns Hopkins University, 1903; Fellow in Greek, Johns Hopkins University, 1897-98; Lecturer in Greek, McGill University, 1900-02.

**WILLIAM BASHFORD HUFF, Ph.D., *Professor of Physics.***

A.B., University of Wisconsin, 1889; A.M., University of Chicago, 1896; Ph.D., Johns Hopkins University, 1900; Lecture Assistant in Physics, Johns Hopkins University, 1899-1900, Assistant in Physics, 1900-01, and Instructor in Physics, 1901-02.

**WILLIAM ROY SMITH, Ph.D., *Associate Professor of History.***

A.B., University of Texas, 1897, and A.M., 1898; Ph.D., Columbia University, 1903; Acting Professor of History and Political Science, University of Colorado, 1900-01; Lecturer in History, Barnard College, 1901-02.

**LUCY MARTIN DONNELLY, A.B., *Professor of English.***

A.B., Bryn Mawr College, 1893; University of Oxford, England, and University of Leipsic, 1893-94; Sorbonne and Collège de France, and University of Leipsic, 1894-95.

**KARL DETLEV JESSEN, Ph.D., *Professor of German Literature.***

Winnemark, Schleswig-Holstein, Germany. A.B., University of Chicago, 1896, and Fellow in German, 1897-98; Ph.D., University of Berlin, 1901; University of Chicago, 1895-98; University of Kiel, 1899; University of Berlin, 1898-1901; Acting Professor of Modern Languages, Eureka College, 1896; Instructor in German, Iowa State University, 1897; Instructor in German, Harvard University, 1901-03, and Lecturer on German Literature and Aesthetics, 1904.

**TENNEY FRANK, Ph.D., *Professor of Latin.***

A.B., University of Kansas, 1898, and A.M., 1899; Ph.D., University of Chicago, 1903; Fellow, University of Chicago, 1899-1901; Assistant and Associate in Latin, University of Chicago, 1901-04.

**DAVID HILT TENNENT,\* Ph.D., *Professor of Biology.***

S.B., Olivet College, 1900; Fellow, Johns Hopkins University, 1902-04; Bruce Fellow, Johns Hopkins University, 1904; Ph.D., Johns Hopkins University, 1904.

**CARLETON FAIRCHILD BROWN, Ph.D., *Professor of English Philology.***

A.B., Carleton College, 1888; A.M., Harvard University, 1901, and Ph.D., 1903. Shattuck Scholar, Harvard University, 1901-03; Instructor in English, Harvard University, 1903-05.

**JAMES BARNES, Ph.D., *Associate Professor of Physics.***

Halifax, Nova Scotia. B.A., Dalhousie University, Honours in Mathematics and Physics, 1899, and M.A., 1900; Ph.D., Johns Hopkins University, 1904. Holder of 1851 Exhibition Science Research Scholarship, 1900-03; Fellow, Johns Hopkins University, 1903-04, and Assistant in Physics, 1904-06.

**RICHARD THAYER HOLBROOK, Ph.D., *Associate Professor of French Philology and Italian.***

A.B., Yale University, 1893; Ph.D., Columbia University, 1902. Sorbonne, Collège de France, Ecole des Chartes, 1893-94, 1895-96; Student in Italy and University of Berlin, 1894-95; Student in Spain, 1901; Tutor in the Romance Languages and Literatures, Yale University, 1896-1901, and Columbia University, 1902-06.

**THEODORE DE LEO DE LAGUNA, Ph.D., *Professor of Philosophy.***

A.B., University of California, 1896, and A.M., 1899; Ph.D., Cornell University, 1901. Teacher in the Government Schools of the Philippine Islands, 1901-04; Honorary Fellow and Assistant in Philosophy, Cornell University, 1904-05; Assistant Professor of the Philosophy of Education, University of Michigan, 1905-07.

**MARION REILLY, A.B., *Dean of the College and Reader in Philosophy.***

A.B., Bryn Mawr College, 1901; Graduate Student, Bryn Mawr College, 1901-02, 1903, 1903-06; Newnham College, University of Cambridge, Spring, 1907; Universities of Rome and Sienna, 1911-12.

**MARION PARRIS SMITH, Ph.D., *Associate Professor of Economics.***

A.B., Bryn Mawr College, 1901, and Ph.D., 1909. Graduate Student, Bryn Mawr College, 1902-05, Fellow in Economics and Politics, 1905-06; Bryn Mawr College Research Fellow and Student in Economics and Politics, University of Vienna, 1906-07.

**FREDERICK HUTTON GETMAN, Ph.D., *Associate Professor of Chemistry.***

Ph.D., Johns Hopkins University, 1903. Rensselaer Polytechnic Institute, 1893-96; University of Virginia, 1896-97; Fellow in Chemistry, Johns Hopkins University, 1902-03, and Fellow by Courtesy, 1903-04; Carnegie Research Assistant in Physical Chemistry, 1903-04; Lecturer in Physical Chemistry, College of the City of New York, 1904-05, and Lecturer in Physics, Columbia University, 1907-08.

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\* Granted leave of absence from October 1, 1913, to December 31, 1913.



CLARENCE EUGEN FERRIE, PH.D., *Associate Professor of Experimental Psychology and Director of the Psychological Laboratory.*

B.S., Ohio Wesleyan University, 1900, A.M., 1901, and M.S., 1902; Ph.D., Cornell University, 1909. Fellow in Psychology, Cornell University, 1902-03; Assistant in Psychology, Cornell University, 1903-07.

ORRIN LATHAM HATCHER, PH.D., *Associate Professor of Comparative Literature and Elizabethan Literature.*

A.B., Vassar College, 1888; Ph.D., University of Chicago, 1903. Graduate Student, University of Chicago, 1901-03, and Fellow in English, 1903-04.

AGATHE LASCH, PH.D., *Associate Professor of Teutonic Philology.*

Berlin, Germany. Ph.D., University of Heidelberg, 1909. Student, University of Halle, 1906-07; University of Heidelberg, 1907-10. State Examination *pro facultate docendi*, Karlsruhe, 1910.

GRACE MEAD ANDRUS DE LAGUNA, PH.D., *Associate in Philosophy.*

A.B., Cornell University, 1903, and Ph.D., 1906. Sage Scholar in Philosophy, Cornell University, 1903-05; Alice Freeman Palmer Fellow of Wellesley College, 1905-06; Reader in Philosophy, Bryn Mawr College, 1907-08.

REGINA KATHARINE CRANDALL, PH.D., *Director of English Essay Work and Reader in English.*

A.B., Smith College, 1890; Ph.D., University of Chicago, 1902. Graduate Student, University of Chicago, 1893-94, and Fellow in History, 1894-96; Assistant in History, Smith College, 1896-99; Instructor in History, Wellesley College, 1899-1900.

KATE GORDON, PH.D., *Associate Professor of Education.*

Ph.B., University of Chicago, 1900, and Ph.D., 1903. Scholar in Pedagogy, University of Chicago, 1900-01, and Fellow in Philosophy, 1901-03; European Fellow of the Association of Collegiate Alumnae, 1903-04; Instructor in Ethics and Psychology, Mt. Holyoke College, 1904-05, and in Teachers' College, Columbia University, 1906-07; Substitute Professor of Philosophy, Mt. Holyoke College, Second Semester, 1911-12.

CLARENCE HENRY HARING, A.B., B.LITT., *Associate in History.*

A.B., Harvard University, 1907; B.Litt., University of Oxford, 1909. Rhodes Scholar, University of Oxford, 1907-10; John Harvard Fellow of Harvard University, 1908-10; Austin Teaching Fellow in Harvard College, 1910-11; Bayard Cutting Travelling Fellow in History, Harvard University, and Student, University of Berlin, 1911-12.

JAMES FULTON FERGUSON, PH.D., *Associate in Ancient History and Latin.*

A.B., Monmouth College, 1903; A.B., Yale University, 1906, A.M., 1907, and Ph.D., 1912. Fellow, Yale University, 1906-09; Instructor in Williams College, 1909-10; Instructor in Greek and Latin, Yale College, 1910-12.

LOUIS CONS, *Associate in French.*

Lyons, France. *Bachelier-ès-lettres*, Lyons University, 1896, and *Licencié-ès-lettres*, University of Paris, 1899. The Sorbonne, 1901-04; *Certificat d'Etudes Scientifiques*, University of Grenoble, 1902; Assistant in French, University of Berlin, 1906-08; French Tutor in the Royal Court of Prussia, 1906-08; Ecole des Hautes-Etudes, Paris, 1909-10. *Officier d'Académie*, 1905.

THOMAS CLACHAR BROWN, PH.D., *Associate in Geology.*

A.B., Amherst College, 1904; A.M., Columbia University, 1905, and Ph.D., 1909. Assistant in Paleontology, Columbia University, 1905-07; Geologist to the Board of Water Supply of New York City, 1907-09; Assistant Professor of Geology, Middlebury College, 1909-11; Non-resident Lecturer in Geology, Norwich University, 1909; Assistant Professor of Geology, Pennsylvania State College, 1911-12.

JAMES RYALS CONNER, PH.D., *Associate in Mathematics.*

A.B., University of Georgia, 1898; Ph.D., Johns Hopkins University, 1909. Johns Hopkins University, 1906-12, Fellow, 1907-09, Carnegie Research Assistant, 1909-11, Johnston Scholar and Fellow by Courtesy, Johns Hopkins University, 1911-12.

ROGER FREDERIC BRUNEL, PH.D., *Associate in Chemistry.*

A.B., Colby University, 1903; Ph.D., Johns Hopkins University, 1906. Lecture Assistant in Chemistry, Johns Hopkins University, 1906-07; Instructor in Chemistry, Syracuse University, 1907-10, and Assistant Professor of Chemistry, 1910-12.

MATILDE CASTRO, PH.D., *Director of the Phebe Anna Thorne Model School.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the Morris High School, Chicago, 1901-03; Instructor in Philosophy, Mt. Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12.

ARTHUR RUSSELL MOORE, PH.D., *Associate Professor of Physiology.*

A.B., University of Nebraska, 1904; Ph.D., University of California, 1911. Assistant in Physiology, University of California, 1909-11, and Assistant Professor of Physiology, 1911-13.

DONALD FISHER, PH.D., *Associate in Philosophy.*

A.B., Western Reserve University, 1908; A.M., Harvard University, 1909, and Ph.D., 1913; Travelling Fellow in Philosophy, Harvard University and Student, Universities of Graz, Berlin, and Freiburg, 1910-12; Assistant in Philosophy, Harvard University, 1912-13.

SAMUEL ARTHUR KING, M.A., *Non-resident Lecturer in English Diction.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Elocution, Johns Hopkins University, 1901; Special Lecturer in Elocution, University of California, 1902.

GEORGIANA GODDARD KING, A.M., *Lecturer in the History of Art and Comparative Literature.*

A.B., Bryn Mawr College, 1896, and A.M., 1897. Fellow in Philosophy, Bryn Mawr College, 1896-97, and Fellow in English, 1897-98; Collège de France, First Semester, 1898-99.

SYDNEY D. M. HUDSON, PH.B., *Lecturer in Political Science.*

Ph.B., University of Syracuse, 1907. President's University Scholar, Columbia University, 1909-10, and George William Curtis Fellow in Political Science, 1910-11.

ROLAND G. KENT, PH.D., *Non-resident Lecturer in Sanskrit.*

A.B., Swarthmore College, 1895, B.L., 1896, and A.M., 1898; Ph.D., University of Pennsylvania, 1903. Student, Universities of Berlin and Munich and the American School of Classical Studies at Athens, 1899-1902; University of Pennsylvania, Second Semester, 1902, Harrison Fellow in Classics, 1902-03, Harrison Research Fellow in Classics, 1903-04, Instructor in Greek and Latin, 1904-09, and Assistant Professor of Comparative Philology, 1909-14.

FREDERICK ARCHIBALD DEWEY, S.B., *Lecturer in Economics and Sociology.*

S.B., Massachusetts Institute of Technology, 1910. University of Grenoble, Autumn Semester, 1904; University of Michigan, 1905-06; Graduate Student in Sociology, Columbia University, 1911-12, and University Fellow in Sociology, 1912-13.

PAUL VAN BRUNT JONES, PH.D., *Lecturer in History.*

A.B., University of Michigan, 1906, A.M., and Ph.D., University of Pennsylvania, 1912. Assistant in History, University of Michigan, 1907-10; Harrison Fellow in History, University of Pennsylvania, 1910-12, and Harrison Research Fellow, 1912-13.

RHYS CARPENTER, A.B., *Lecturer in Classical Archaeology.*

A.B., Columbia University, 1911, and B.A., University of Oxford, 1911; Rhodes Scholar and Student, Balliol College, University of Oxford, 1908-11; Drisler Fellow in Classics, Columbia University, 1911-12; Student, American School of Classical Studies in Athens, 1912-13.

FLORENCE PEEBLES,\* PH.D., *Lecturer in Biology.*

A.B., Woman's College of Baltimore, 1895, and Ph.D., Bryn Mawr College, 1900. Graduate Scholar in Biology, Bryn Mawr College, 1895-96; Fellow in Biology, 1896-97, and Graduate Student, 1897-98, 1903-04, 1906-11; Holder of the Mary E. Garrett European Fellowship, Scholar of the Woman's Table and Student in Biology, Zoological Station, Naples, Universities of Munich and Halle, 1898-99; Instructor in Biology, Woman's College of Baltimore, 1899-1902, and Associate Professor of Biology, 1902-06; Student, University of Bonn, summer, 1906; Teacher of Science in Miss Wright's School, Bryn Mawr, 1906-11; Holder of American Woman's Table in Zoological Station, Naples, spring, 1907; Assistant Demonstrator in Biology, Bryn Mawr College, 1907-10, and Private Tutor, 1907-12; Fellow of the Association of Collegiate Alumnae, Boston Branch, and Student and Research Worker, Germany and France, 1912-13.

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\* Appointed as substitute for Professor David Hilt Tennent during his absence from October 1, 1913, to December 31, 1913.

EMIL CARL WILM,\* Ph.D., *Lecturer (elect) in Philosophy.*

A.B., Southwestern University, 1902; A.M., Vanderbilt University, 1903; Ph.D., Cornell University, 1905. Professor of Philosophy, Washburn College, 1905-11; Assistant and Journal in Philosophy, Harvard University and Radcliffe College, 1911-12; Professor of Philosophy and Education, Wells College, 1912-14.

JANET TUCKER HOWELL,† Ph.D., *Lecturer (elect) in Physics.*

A.B., Bryn Mawr College, 1910; Ph.D., Johns Hopkins University, 1913. Helen Schaeffer Huff Research Fellow in Physics, Bryn Mawr College, 1913-14.

CHESTER ELLIAN KELLOGG,‡ A.M., *Lecturer (elect) in Psychology.*

A.B., Bowdoin College, 1911; A.M., Harvard University, 1912. Assistant in French and Psychology, Bowdoin College, 1910-11; Austin Fellow, Harvard University, 1912-13, and Graduate Student, 1913-14.

ABBY KIRK, A.B., *Reader in Elementary Greek.*

A.B., Bryn Mawr College, 1892. Reader in English, Bryn Mawr College, 1892-93.

MARY JEFFERS, A.M., *Reader in German.*

A.B., Bryn Mawr College, 1895, and A.M., 1897. Graduate Student, Bryn Mawr College, 1895-98, 1903-04, 1906-07; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, 1895-98; Student at the Universities of Munich and Halle, 1898-99; Teacher of Latin and History in the Girls' Latin School, Baltimore, Md., 1900-01; Head of the Latin Department in the Misses Shipley's School, Bryn Mawr, 1899-1907; Student, University of Bonn, Summer of 1905; Private Tutor, 1892-1914; Supervisor of College Preparatory Department, Brantwood Hall, Bronxville, Lawrence Park, N. Y., 1905-07; Lecturer on European Travel, Miss Wright's School, 1904-14, and Teacher of Latin, 1911-14; French and German oral examiner, 1909-14.

EDNA ASTON SHEARER, A.B., *Reader in English.*

A.B., Bryn Mawr College, 1904; Junior Fellow in Philosophy, Bryn Mawr College, 1904-05; Holder of the President's Fellowship and Student, Universities of Edinburgh and Aberdeen, 1905-06; Fellow in Philosophy, Bryn Mawr College, 1906-07; Teacher of English in the Baldwin School, Bryn Mawr, Pa., 1907-09, and Graduate Student, Bryn Mawr College, 1907-08.

E. BEATRICE DAW, A.M., *Reader in English.*

A.B., Vassar College, 1909, and A.M., University of Pennsylvania, 1910.

MARY HAMILTON SWINDLER, Ph.D., *Reader in Latin and Reader and Demonstrator in Classical Archaeology.*

A.B., University of Indiana, 1905, and A.M., 1906; Ph.D., Bryn Mawr College, 1913. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Mary E. Garrett European Fellow and Student, Universities of Berlin and Oxford and the American School of Classical Studies in Athens, 1909-10; Teacher in the Misses Shipley's School, Bryn Mawr, 1910-11, and in Miss Wright's School, Bryn Mawr, 1911-12.

MARION DELIA CRANE, A.B., *Assistant in English.*

A.B., Bryn Mawr College, 1911. Secretary, the Bryn Mawr School, Baltimore, 1911-12. Reader in English and Secretary to the Dean of the College, 1912-13.

IDA LANGDON, Ph.D., *Reader in English.*

A.B., Bryn Mawr College, 1903; A.M., Cornell University, 1910, and Ph.D., 1912. Cornell University, 1909-12.

ANNIE LOUISE MACLEOD, Ph.D., *Reader in Physiological Chemistry and Demonstrator in Chemistry.*

A.B., McGill University, 1904, M.Sc., 1905, and Ph.D., 1910. Demonstrator in Chemistry, McGill University, 1905-08; Assistant in Chemistry, Barnard College, 1908-09; Fellow in Chemistry, Bryn Mawr College, 1909-10, and Research Fellow in Chemistry, 1910-12.

CHRISTINE POTTS HAMMER, A.B., *Reader in English.*

A.B., Bryn Mawr College, 1912.

\* Appointed as substitute for Professor Theodore de Leo de Laguna in 1914-15.

† Appointed as substitute for Professor James Barnes in 1914-15.

‡ Appointed as substitute for Professor James Leuba in 1914-15.



GERTRUDE RAND, PH.D., *Reader in Educational Psychology and Demonstrator in Experimental Psychology.*

A.B., Cornell University, 1908; Ph.D., Bryn Mawr College, 1913. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, 1911-12, Fellow in Philosophy, 1909-10, Fellow in Psychology, 1910-11, and Sarah Berliner Research Fellow, 1912-13.

EUNICE MORGAN SCHENCK, PH.D., *Reader in French.*

A.B., Bryn Mawr College, 1907, and Ph.D., 1914. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1909-10, and Fellow in Romance Languages, 1912-13; President's European Fellow and Student, the Sorbonne, Collège de France, University of Grenoble and in Madrid, 1910-12.

MAUDE ELIZABETH TEMPLE,\* PH.D., *Reader in English.*

A.B., Bryn Mawr College, 1904, and A.M., 1905; Ph.D., Radcliffe College, 1913. Graduate Scholar in English, Bryn Mawr College, 1904-05; Graduate Scholar, Radcliffe College, 1909-10; Research Student, Collège de France and the Sorbonne, 1910-11; Fellow of the Women's Education Association of Boston, 1911-12.

ESTHER CLOUDMAN DUNN, A.B., *Reader in English.*

A.B., Cornell University, 1913.

MABEL KATHRYN FREHAFFER, A.M., *Demonstrator in Physics.*

A.B., Bryn Mawr College, 1908; A.M., University of Wisconsin, 1909. Graduate Student, University of Wisconsin, 1908-09; Fellow in Physics, Bryn Mawr College, 1909-10.

MARY EDITH PINNEY, A.M., *Demonstrator in Biology.*

A.B., Kansas State University, 1908, and A.M., 1910. Teaching Fellow in Zoology, Kansas State University, 1909-10, and High School Instructor, Alma, Kan., 1908-09; Fellow in Biology, Bryn Mawr College, 1910-11; President's European Fellow and Student, Universities of Bonn and Heidelberg and Zoological Station, Naples, 1911-12; Instructor in Zoology, Kansas State University, 1912-13.

JEANNETTE CONS, A.M., *Assistant in French and French Oral Tutor.*

A.B., Swarthmore College, 1907, and A.M., 1909. University of Berlin, 1907-08; Instructor in French, Swarthmore College, 1912-13.

#### PHEBE ANNA THORNE MODEL SCHOOL.

MATILDE CASTRO, PH.D., *Director and Teacher of English, History, and Science.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the Morris High School, Chicago, 1901-03; Instructor in Philosophy, Mt. Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-13.

KATE GORDON, PH.D., *Teacher of Mathematics, Drawing, and Modelling.*

Ph.B., University of Chicago, 1900 and Ph.D., 1903. Scholar in Pedagogy, University of Chicago, 1900-01, and Fellow in Philosophy, 1901-03; European Fellow of the Association of Collegiate Alumnae, 1903-04; Instructor in Ethics and Psychology, Mt. Holyoke College, 1904-05, and in Teachers' College, Columbia University, 1906-07; Substitute Professor of Philosophy, Mt. Holyoke College, Second Semester, 1911-12; Associate Professor of Education, Bryn Mawr College.

SAMUEL ARTHUR KING, A.M., *Teacher of Reading.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Elocution, Johns Hopkins University, 1901; Special Lecturer in Elocution, University of California, 1902; Non-Resident Lecturer in English Diction, Bryn Mawr College.

EUNICE MORGAN SCHENCK, A.B., *Teacher of French.*

A.B., Bryn Mawr College, 1907. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1909-10, and Fellow in Romance Languages, 1912-13; President's European Fellow and Student, the Sorbonne, Collège de France, University of Grenoble and Madrid, 1910-12. Reader in French, Bryn Mawr College.

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\* Resigned, November 14, 1913.



PLACIDO DE MONTOLIU, *Jaques-Dalcroze Eurhythmics*.

Graduate of the Jaques-Dalcroze College of Rhythmic Training, Hellerau, Germany.

CONSTANCE M. K. APPLEDEE, *Out-of-Door Sports and Games*.

Director of Gymnastics and Athletics, Bryn Mawr College.

CYNTHIA MARIA WESSON, *Out-of-door Sports and Games*.

A. B., Bryn Mawr College, 1909; Graduate of Dr. Sargent's School for Physical Education, Cambridge, Massachusetts, 1913.

#### EXECUTIVE STAFF.

EDITH ORLADY, A.B., *Secretary of the College*.

A. B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, Bryn Mawr College, 1903-06, 1907-09; Recording Secretary, 1910-12.

ABIGAIL CAMP DIMON, A.M., *Recording Secretary*.

A. B., Bryn Mawr College, 1896, and A.M., 1899. Vice-Principal of the High School, Clinton, N. Y., 1896-97; Assistant Teacher of English in the Utica Academy, 1897-98; Graduate Student, Bryn Mawr College, 1898-99; Tutor, 1900-01; Graduate Student and Warden of Radnor Hall, Bryn Mawr College, 1901-04; Teacher of Science in the Balliol School, Utica, 1904-05, and of Science and Mathematics, 1905-08; Teacher in the New School, Utica, 1908-09; Demonstrator in Biology, Bryn Mawr College, 1911, and Reader in Biology, 1911-12.

MARTHA GIBBONS THOMAS, A.B., *Warden of Pembroke Hall*.

A.B., Bryn Mawr College, 1889.

SUSANNE CAREY ALLINSON, A.B., *Warden of Radnor Hall*.

A.B., Bryn Mawr College, 1910.

ELEANOR BONTECOU, A.B., *Warden of Denbigh Hall*.

A.B., Bryn Mawr College, 1913.

HILDA WORTHINGTON SMITH, A.M., *Warden of Rockefeller Hall*.

A. B., Bryn Mawr College, 1910, and A.M., 1911. Graduate Student, Bryn Mawr College, 1910-11; Student, New York School of Philanthropy, 1912-13.

RUTH BABCOCK, A.B., *Warden of Merion Hall*.

A.B., Bryn Mawr College, 1910. Teacher in Deerfield Academy, Deerfield, Mass., 1910-13.

FRANCES ALLEN FOSTER, A.B., *Assistant Warden of Pembroke Hall*.

A.B., Brown University, 1909. Scholar in English, Bryn Mawr College, 1909-11, and Fellow in English, 1911-12; Mary E. Garrett European Fellow and Student in the British Museum, 1912-13.

MARIAN DELIA CRANE, A.B., *Senior Graduate Student of Cartref*.

A. B., Bryn Mawr College, 1911. Secretary, the Bryn Mawr School, Baltimore, 1911-12; Reader in English and Secretary to the Dean of the College, Bryn Mawr College, 1912-13, and Assistant in English and Graduate Scholar in Philosophy, 1913-14.

SANDY L. HURST, *Comptroller*.

MIRIAM MARGARET HEDGES, A.B., *Business Manager*.

A. B., Bryn Mawr College, 1910. Secretary of Wykeham Rise, Washington, Conn., 1910-11, and Secretary and Teacher of Geometry, 1911-12; Secretary of the Baldwin School, Bryn Mawr, Pa., 1912-13.

MARGARET A. PROCTOR, A.B., *Junior Bursar*.

A. B., University of Toronto, 1906. Laboratory Assistant in Physiological Chemistry and Bacteriology, University of Toronto, 1906-08; Dietitian, Department of Public Charities, New York City, 1908-09; Assistant Manager, Whittier Hall Dining Rooms, Barnard College, 1909-10.

LOIS ANTOINETTE REED, A.B., B.L.S., *Librarian*.

A. B., University of Illinois, 1909; B.L.S., New York State Library School, 1904. Librarian, The Western College, Oxford, Ohio, 1905-07; Cataloguer and Order Department Assistant, Library of the University of Illinois, 1907-10; Assistant Librarian, University of Rochester, 1910-13.

CONSTANCE M. K. APPLEBEE, *Director of Athletics and Gymnastics and Supervisor of Health Department.*

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, Summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mt. Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906.

MARY WAGNER ANDERSON, *Assistant to the Director of Athletics and Gymnastics.*

Simmons College, 1909-10. Graduate of the Sargent School for Physical Education, Boston, 1913.

CYNTHIA MARIA WESSON, A.B., *Assistant in Athletics and Gymnastics.*

A.B., Bryn Mawr College, 1909. Graduate of the Sargent School for Physical Education, Boston, Mass., 1913.

HELEN COREY GEDDES, A.B., B.S., *Head Cataloguer.*

A.B., Radcliffe College, 1905; B.S., Simmons College, 1910. Library Assistant, University of Illinois, 1910-12.

BESSIE HOMER JENNINGS, *Assistant Cataloguer.*

Graduate, Drexel Institute Library School, 1900.

SARAH WOOSTER ENO, A.B., *Circulation and Reference Librarian.*

A.B., University of Illinois, 1908. Cataloguer, Library of the University of Pennsylvania, 1909-10; Librarian, Stetson University, 1910-12.

MARIAN PRICE, A.B., *Assistant to the Librarian.*

A.B., Vassar College, 1910. Drexel Institute Library School, 1910-11.

HELEN ROTHROCK SHOEMAKER, A.B., *Assistant to the Circulation and Reference Librarian.*

A.B., Vassar College, 1910. Drexel Institute Library School, 1911-12.

MARY WARREN TAYLOR, *Secretary to the Department of Athletics and Gymnastics and Recording Secretary to the Health Department.*

GENEVIEVE ESTELLE POTTER, *Bookkeeper and Assistant to the Comptroller.*

MABEL GRAY THOMAS, *Stenographer and Assistant Bookkeeper in the Comptroller's Office.*

THOMAS F. BRANSON, M.D., *Physician in Chief.*

A.B., Haverford College, 1889; M.D., University of Pennsylvania, 1892. Attending Physician, Bryn Mawr Hospital.

FRANCES R. SPRAGUE, B.L., M.D., *Assistant Physician of the College.*

B.L., University of California, 1886; M.D., Woman's Medical College of Pennsylvania, 1891. Visiting Physician and Surgeon, Children's Department, Children's Hospital of San Francisco, 1898-1910; Visiting Surgeon, Woman's Hospital of Pennsylvania, and Consulting Surgeon, West Philadelphia Hospital for Women; Practicing Physician, Bryn Mawr, Pa., 1910-14.

HELEN MURPHY, M.D., *Examining Oculist.*

M.D., Woman's Medical College of Pennsylvania, 1893; Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97.

The following physicians have consented to serve as consultants:

THOMAS McCRAE, M.D., F.R.C.P., 1627 Spruce Street, Philadelphia, *Consultant Physician.*

GEORGE DE SCHWEINITZ, M.D., 1705 Walnut Street, Philadelphia, *Consultant Oculist.*

ROBERT G. LE CONTE, M.D., 1625 Spruce Street, Philadelphia, *Consultant Surgeon*.

FRANCIS R. PACKARD, M.D., 304 S. Nineteenth Street, Philadelphia, *Consultant Aurist and Laryngologist*.

JAMES K. YOUNG, M.D., 222 S. Sixteenth Street, Philadelphia, *Consultant Orthopaedist*.

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### *The Academic Committee of the Alumnæ.*

CORNELIA VAN WYCK HALSEY, A.B. (Mrs. Frederic Rogers Kellogg),  
(*ex-officio*), 31 Boyken Street, MORRISTOWN, N. J.

ANNA BELL LAWTHIER, A.B., (*Chairman*), 239 Seventeenth Street, DUBUQUE,  
IOWA.

KATHARINE LORD, A.B., PLYMOUTH, MASS.

MARY DELIA HOPKINS, A.M., CLINTON, N. Y.

FRANCES AMELIA FINCKE, A.B. (Mrs. Learned Hand), 142 East 65th  
Street, NEW YORK CITY.

SUSAN BRALEY FRANKLIN, PH.D., 33 Central Park West, NEW YORK CITY.

GERTRUDE HARTMAN, A.B., 15 Centre Street, BROOKLINE, MASS.

PAULINE DOROTHEA GOLDMARK, A.B., 270 West 94th Street, NEW YORK  
CITY.

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### *Honorary Corresponding Secretaries.*

*The following honorary corresponding secretaries, all of whom are graduates of Bryn Mawr College, have kindly consented to act as representatives of the college in the cities in which they live, and will at any time be glad to answer questions about the college.*

NEW YORK CITY: MISS EMILY REDMOND CROSS, 405 Park Avenue.

PHILADELPHIA: MRS. ADOLPH E. BORIE, 4100 Pine Street.

BALTIMORE: MRS. ANTHONY MORRIS CAREY, 1004 Cathedral Street.

PITTSBURGH, PA.: MRS. JOHN BRUCE ORR, 628 Maple Lane, Sewickley,  
Pa.

SCRANTON, PA.: MISS ALICE BELIN.

SYRACUSE, N. Y.: MRS. FREDERICK A. SAUNDERS, 612 Ostrom Avenue.

UTICA, N. Y.: MRS. ARTHUR PERCY SAUNDERS, Clinton, N. Y.

NEW HAVEN, CONN.: MISS ELIZABETH DAY SEYMOUR, 141 Linden Street.

FARMINGTON, CONN.: MRS. HERBERT KNOX SMITH.

BOSTON, MASS.: MRS. INGERSOLL BOWDITCH, 19 Buckingham Street,  
Cambridge.

FALL RIVER, MASS.: MRS. RANDALL NELSON DUFEE, 19 Highland  
Avenue.

- CHICAGO, ILL.: MRS. JAMES FOSTER PORTER, *Hubbard Woods, Ill.*
- INDIANAPOLIS, IND.: MRS. FRANK NICHOLS LEWIS, *42 East 32nd Street.*
- MADISON, WIS.: MRS. MOSES STEPHEN SLAUGHTER, *633 Francis Street.*
- MINNEAPOLIS, MINN.: MRS. HAROLD OLNEY HUNT, *22 West 25th Street.*
- ST. LOUIS, MO.: MRS. GEORGE GELLHORN, *4366 McPherson Avenue.*
- PORTLAND, ORE.: MRS. HENRY MINOR ESTERLY, *499 East 25th Street,  
North.*
- LOS ANGELES, CAL.: MISS ELIZABETH DANA MARBLE, *3201 Figueroa  
Street.*
- SALT LAKE CITY, UTAH: MISS KATE WILLIAMS, *177 13th East Street.*
- ENGLAND: THE HON. MRS. BERTRAND RUSSELL. *Ford Place, Arundel.*



## STUDENTS.

*Fellows and Graduate Students, Academic Year, 1913-14.*

NORA CAM,.....Bryn Mawr European Fellow.  
Bishop's Stortford, England. A.B., Bryn Mawr College, 1912.

HELEN MAXWELL KING,.....*Mary E. Garrett European Fellow.*  
Olivet, Mich. Olivet College, 1907, and A.M., 1908. Graduate Student, Bryn Mawr College, 1908-09; Fellow in Romance Languages, 1909-10. Private Secretary to the United States Minister to Siam, 1910-12; Graduate Scholar, Bryn Mawr College, Second Semester, 1912-13; Student, Sorbonne and Collège de France, 1913-14.

MARY ALICE HANNA,.....*Mary E. Garrett European Fellow.*  
Trenton, Mo. A.B., University of Missouri, 1909, and B.S., 1911. Teacher in the High School, Vandalia, Mo., 1909-11; Graduate Student, Bryn Mawr College, 1911-12, and Fellow in History, 1912-13; Research Student in the British Museum, 1913-14.

HELEN HUSS PARKHURST,.....*President's European Fellow.*  
Englewood, N. J. A.B., Bryn Mawr College, 1911 and A.M., 1913. Teacher in the Dwight School, Englewood, 1911-12. Graduate Scholar in Philosophy, Bryn Mawr College, 1912-13; Student, University of Cambridge, 1913-14.

ADAH BLANCHE ROE,  
*Ottendorfer Memorial Research Fellow in Teutonic Philology.*

Omaha, Neb. A.B., Woman's College of Baltimore, 1909. Scholar in German, Bryn Mawr College, 1909-11; Ottendorfer Memorial Research Fellow in Teutonic Philology, and Student, University of Berlin, 1911-12; Fellow in German, Bryn Mawr College, 1912-13; Student, University of Leipsic, 1913-14.

JANET TUCKER HOWELL,  
*Helen Schaeffer Huff Research Fellow in Physics.*  
Baltimore, Md. A.B., Bryn Mawr College, 1910. Ph.D., Johns Hopkins University, 1913. Graduate Student in Physics, Johns Hopkins University, 1910-13.

ANGELA CHARLOTTE DARKOW,.....*Fellow in Greek.*  
Philadelphia. A.B., Bryn Mawr College, 1911. Graduate Scholar in Greek, Bryn Mawr College, 1911-12, and Fellow in Greek, 1912-13.

LENA BELE SALISBURY,.....*Fellow in Latin.*  
Oswego, N. Y. A.B., Syracuse University, 1910, and A.M., 1913. Teacher, Chittanooga, N. Y., 1910-11; Weedsport, N. Y., 1911-12; Goodyear-Burlingame School, Syracuse, N. Y., 1912-13.

GERTRUDE HILDRETH CAMPBELL,.....*Fellow in English.*  
Providence, R. I. A.B., Brown University, 1911, and A.M., 1912. Tutor in English, Brown University, 1912; Graduate Scholar in English, Bryn Mawr College, 1912-13.

JUNE CHRISTINA EDDINGFIELD,.....*Fellow in German.*  
Mace, Ind. A.B., University of Indiana, 1906. Student, University of Indiana, Summer Semesters, 1908, 1910, 1911, 1912. Assistant Principal of the High School, Swayzee, Ind., 1906-08; Head of German Department in the High School, Elwood, Ind., 1908-12; Graduate Scholar in German, Bryn Mawr College, 1912-13.

VERA LILLIAN PARSONS,.....*Fellow in Romance Languages.*  
Toronto, Canada. B.A., University of Toronto, 1911, and M.A., 1912. Graduate Scholar in English, Bryn Mawr College, 1912-13.

LOUISE MAUDSLEY SUMNER,.....*Fellow in History.*  
St. Paul, Minn. A.B., University of Minnesota, 1912, and A.M., 1913.

BYNE FRANCES GOODMAN,.....*Fellow in Economics.*  
Champaign, Ill. A.B., University of Illinois, 1912, and A.M., 1913.

MARION ALMIRA BILLS,.....*Fellow in Psychology.*  
Allegan, Mich. A.B., University of Michigan, 1908. Teacher in the Public School, Allegan, 1909-11; Graduate Scholar in Psychology, Bryn Mawr College, 1911-13.

- MARY GERTRUDE HASEMAN,.....*Fellow in Mathematics.*  
 Linton, Ind. A.B., University of Indiana, 1910. Professor of Mathematics in Vincennes University, 1910-11; Graduate Scholar in Mathematics, Bryn Mawr College, 1911-13.
- KATHERINE MELVINA DOWNEY,.....*Fellow in Physics.*  
 Wheaton, Minn. A.B., University of Minnesota, 1910, and A.M., 1913. Teacher in Luverne, Minn., 1912-13.
- JULIA PEACHY HARRISON,.....*Fellow in Chemistry.*  
 Richmond, Va. A.B., Richmond College, 1906, and A.M., 1907, B.S., 1909; Ph.D., Johns Hopkins University, 1913. Graduate Student, Johns Hopkins University, 1909-12; Teacher in the High School, Richmond, 1907-08; Carnegie Research Assistant, Johns Hopkins University, 1912-13.
- GRACE MEDES,.....*Fellow in Biology.*  
 Kansas City, Mo. A.B., Kansas State University, 1904, and A.M., 1913.
- AGNES BORTHWICK,.....*Special British Graduate Scholar.*  
 Greenock, Scotland. M.A., Glasgow University, 1910. Graduate Student, Glasgow University, 1910-12; Honours in English, 1912. British Graduate Scholar, Bryn Mawr College, 1912-13.
- ELEANOR SHIPLEY DUCKETT,.....*Special British Graduate Scholar.*  
 Frome, Somerset, England. B.A., University of London, 1902, and M.A., 1904. Girton College, University of Cambridge, England, 1908-11; Classical Tripos, Part 1, 1911. Classical Mistress in the High School, Sutton, Surrey, 1905-07; British Graduate Scholar, Bryn Mawr College, 1911-12, and Fellow in Latin, 1912-13.
- ELIZABETH MARY EDWARDS,.....*Special British Graduate Scholar.*  
 Liverpool, England. A.B., University of Liverpool with Honours in Economics, 1910; M.A. and Diploma in Education, 1912. Student, University of Berlin, 1910-12; Assistant in the Potsdam Höheren Mädchenschule, 1910-11, and in the Chamissohschule, Berlin, 1911-12; British Graduate Scholar, Bryn Mawr College, 1912-13.
- AGNES MURRAY MACFADZEAN,.....*Special British Graduate Scholar.*  
 Glasgow, Scotland. B.A., University of Glasgow, 1910, and M.A., 1911. Student, University of Göttingen, 1910-11; British Graduate Scholar, Bryn Mawr College, 1912-13.
- MARGARET AMISS,.....*British Graduate Scholar.*  
 Bromyard, England. B.A., University of Wales, 1908. Teacher in Intermediate School for Girls, Hengoed, Wales, 1909-13.
- ALICE MARY ASHLEY,.....*British Graduate Scholar.*  
 Edgbaston, England. Newnham College, Cambridge, England, 1910-13. Classical Tripos, Part I, 1913.
- CHRISTINE GWENDOLINE MARY ROBERTS,.....*British Graduate Scholar.*  
 Aberystwyth, Wales. B.A., University of Bristol, 1911 and M.A., 1913. Teacher in Northumberland House School, Bristol, England, 1911-12, and in Royal Park School, Clifton, England, 1912-13.
- LILLI AUERBACH,.....*German Graduate Scholar.*  
 Berlin, Germany. University of Berlin, 1912-13; University of Freiburg, Summer Semester, 1913.
- MARGARETE FRIEDE BERTHA BEYFUSS,.....*German Graduate Scholar.*  
 Bournemouth, England. University of Berlin, Winter Semester, 1911-12; University of Freiburg, 1912-13.
- MARTHA EWERTH,.....*German Graduate Scholar.*  
 Zoppot bei Danzig, Germany. University of Königsberg, 1912-13.
- HILDEGARD KLEINE,.....*German Graduate Scholar.*  
 Berlin, Germany. University of Berlin, 1911-13.
- JULIETTE MICHEL GALABERT,.....*French Graduate Scholar.*  
 Frontignan, France. Ecole normale supérieure, Fontenay aux Roses, 1909-12.
- SUSANNE CAREY ALLINSON,.....*Art and Archaeology.*  
 Providence, R. I. A.B., Bryn Mawr College, 1910.

- RUTH BARBOCK,.....*Biblical Literature and History.*  
 Deerfield, Mass. A.B., Bryn Mawr College, 1910. Warden of Merion Hall, Bryn Mawr College, 1913-14.
- MARY ELIZABETH BARNICLE,.....*Graduate Scholar in Philosophy.*  
 Providence, R. I. A.B., Brown University, 1913. Teacher in Evening School, Providence, 1910-11.
- SADIE BELIEKOWSKY,.....*Graduate Scholar in Archaeology.*  
 Philadelphia A.B., Bryn Mawr College, 1912. Graduate Scholar in Latin, Bryn Mawr College, 1912-13.
- MARTHA BETZ,.....*Graduate Scholar in German.*  
 Kansas City, Mo. B.S., in Education, University of Missouri, 1910; A.B., 1911, and A.M., 1913.
- ELEANOR BONTECOU,.....*Latin and Spanish.*  
 Orange, N. J. A.B., Bryn Mawr College, 1913. Warden of Denbigh Hall, 1913-14.
- BELLE DOUGLASS BOYSEN,.....*Susan B. Anthony Scholar in Political Theory.*  
 Knoxboro, N. Y. Ph.B., Syracuse University, 1911. Teacher in the Knoxboro Union School, 1904-05; Susan B. Anthony Scholar in Political Theory, Bryn Mawr College, 1912-13.
- CLARISSA BEATRICE BROCKSTEDT,.....*Graduate Scholar in Philosophy.*  
 St. Louis, Mo. A.B., Bryn Mawr College, 1913.
- ELIZABETH CABLE BROOK,.....*Graduate Scholar in History.*  
 Lawrence, Kans. A.B., Kansas State University, 1912, and A.M., 1913.
- VERA LEE BROWN,.....*Graduate Scholar in History.*  
 New Brunswick, Canada. B.A., McGill University, 1912, and M.A., 1913.
- MARGARET BUCHANAN,.....*Mathematics.*  
 Morgantown, W. Va. A.B., University of Virginia, 1906. Graduate Student, University of W. Virginia, 1907; Teacher of Mathematics in Marshall College, Huntington, W. Va., 1906-07; Assistant in Greek and Mathematics, West Virginia University, 1908-09, and Instructor in Mathematics, 1909-12.
- ALICE HILL BYRNE,.....*Greek.*  
 Lancaster, Pa. A.B., Wellesley College, 1908. Teacher of Latin and Greek in the Union High School, Coleraine, Pa., 1894-96, and Principal, 1899-1900; in Mrs. Blackwood's School, Lancaster, 1896-99, and 1900-01; Associate Principal and Teacher of Latin and Greek in Miss Stahr's School, Lancaster, 1901-05; Principal of the Shippen School, Lancaster, 1905-09; Teacher of Latin and Greek in Miss Hills's School, Philadelphia, 1909-11; Graduate Student, Bryn Mawr College, 1908-10, and Graduate Scholar in Greek, 1910-11; Teacher of Latin and Greek in the Baldwin School, Bryn Mawr, 1911-12, 1913-14, and in charge of the Lower School, 1912-13.
- JEANNETTE CONS,.....*Spanish.*  
 Bryn Mawr, Pa. A.B., Swarthmore College, 1907 and A.M., 1909. University of Berlin, 1907-08. Instructor in French, Swarthmore College, 1912-13; Assistant in French and French Oral Tutor, Bryn Mawr College, 1912-14.
- MARION DELIA CRANE,.....*Graduate Scholar in Philosophy.*  
 Providence, R. I. A.B., Bryn Mawr College, 1911. Secretary in the Bryn Mawr School, Baltimore, Md., 1911-12; Reader in English and Secretary to the Dean of the College, and Graduate Student, Bryn Mawr College, 1912-13.
- ANNA LAURA DAVIS,.....*Guilford College Scholar.*  
 Guilford College, N. C. A.B., Guilford College, 1913.
- CHARLOTTE D'EVELYN,.....*Graduate Scholar in English.*  
 San Francisco, Cal. B.L., Mills College, 1911; University of California, Summer, 1912. Teacher in the Public Schools, Bloomington, Idaho, Jan.-Jun., 1912, and in Sanger, Cal., 1912-13.
- NOEMA EUPHEMIA EASTLAND,.....*French, Psychology, and History of Art.*  
 Waco, Texas. B.L., Baylor University, 1911.



FRANCES ALLEN FOSTER,

*Research Scholar and Fellow by Courtesy in English.*

Providence, R. I. A.B., Brown University, 1909. Scholar in English, Bryn Mawr College, 1909-11, and Fellow in English, 1911-12; Mary E. Garrett European Fellow and Student in the British Museum, 1912-13.

GRACE FRANK,.....*French.*

Bryn Mawr, Pa. A.B., University of Chicago, 1906.

MARJORIE LORNE FRANKLIN,.....*Graduate Scholar in Economics.*

New York City. A.B., Barnard College, 1913.

HELEN COREY GEDDES,.....*History of Art.*

Allston, Mass. A.B., Radcliffe College, 1905; B.S., Simmons College, 1910. Library Assistant, University of Illinois, 1910-12. Head Cataloguer, Bryn Mawr College, 1912-14.

VERNETTE LOIS GIBBONS,.....*Fellow by Courtesy in Chemistry.*

Upton, Mass. Sc.B., Mt. Holyoke College, 1896, and A.B., 1899; M.Sc., University of Chicago, 1907; M.Sc., University of the Cape of Good Hope, 1908. Teacher in the High School, Bernardstown, Mass., 1896-97; Assistant in Chemistry, Mt. Holyoke College, 1897-99, and Instructor in Chemistry, 1899-1901; Instructor in Chemistry and Mineralogy, Wells College, 1902-04, and Associate Professor of Chemistry, 1905-06; Lecturer and Head of Department of Chemistry, Huguenot College, Wellington, South Africa, 1907-11, and on leave of absence, 1911-12; Fellow in Chemistry, Bryn Mawr College, 1911-12; President's European Fellow and Student, University of Munich, 1912-13.

MARY AGNES GLEIM,.....*Latin.*

Pittsburgh, Pa. A.B., Bryn Mawr College, 1897. Teacher in the Baldwin School, Bryn Mawr, Pa., 1892-97; in the Gordon School, Philadelphia, 1897-1902; Principal of Miss Gleim's School, Pittsburgh, 1902-09, and of the Thurston Gleim School, Pittsburgh, 1909-12; Graduate Scholar in Latin, Bryn Mawr College, 1912-13.

ETTALENE MEARS GRICE,.....*Graduate Scholar in Biblical Literature.*

Portsmouth, O. A.B., Western College for Women, 1908. Teacher in the Public Schools, Portsmouth, 1910-12.

MILDRED HARDENBROOK,.....*Graduate Scholar in Greek.*

Valatie, N. Y. A.B., Vassar College, 1908, and A.M., 1909. Graduate Scholar in Greek, Bryn Mawr College, 1911-12.

KATHARINE VENAI HARLEY,.....*Economics.*

Devon, Pa. A.B., Bryn Mawr College, 1908. Teacher in Darlington Seminary, West Chester, Pa., 1909-10, and in Bishopthorpe Manor, South Bethlehem, Pa., 1910-11; Senior Teacher of Mathematics and Latin in the Wissahickon Heights School for Girls, 1911-14.

JANE ANNETTA HARRISON,

*Graduate Scholar and Fellow by Courtesy in German.*

La Plata, Mo. A.B., and B.S., University of Missouri, 1906 and A.M., 1907. Scholar in Germanic Languages, University of Missouri, 1906-07, and Graduate Student, 1908-09; Teacher in the High School, Sedalia, Mo., 1907-08; Fellow in German, Bryn Mawr College, 1909-10; Ottendorfer Memorial Research Fellow, and Student, University of Berlin, 1910-11; Teacher in the High School, St. Charles, Mo., 1911-13.

LOIS ANNA FARNHAM HORN,.....*Education and Chemistry.*

Bryn Mawr, Pa. A.B., Bryn Mawr College, 1900 and A.M., 1901. Graduate Scholar in History, Political Science and Law, Bryn Mawr College, 1900-01, and Fellow in Economics and Politics, 1901-02.

ALICE PHILENA FELICIA HUBBARD,.....*Romance Languages.*

Austin, Tex. B.S., University of Texas, 1900 and A.M., 1902. University of Chicago Summer School, 1904, 1905. Fellow in Spanish, University of Texas, 1899-1902; Tutor in Spanish, University of Texas, 1902-08, and Instructor in Spanish, 1908-13.

HARRIET SPRATT HULLEY,.....*English and Classical Archaeology.*

De Land, Fla. Ph.B., Stetson University, 1913.

ELIZABETH FORREST JOHNSON,.....*Education.*

Bryn Mawr, Pa. A.B., Vassar College, 1902. Teacher of Mathematics in the Baldwin School, Bryn Mawr, 1903-08, Assistant to the Head, 1908-10, and Associate Head, 1910-14.



ANGIE LILLIAN KELLOGG,

*Graduate Scholar and Fellow by Courtesy in Philosophy.*

Watertown, N. Y. A.B., Vassar College, 1903, and A.M., 1904. Teacher in the High School, Schenectady, N. Y., 1904-10, and in the High School, Hasbrouck Heights, N. J., March to June, 1911; Fellow in Philosophy, Bryn Mawr College, 1911-13.

FLORENCE LONG, ..... *Earlham College Scholar.*  
Princeton, Ind. A.B., Earlham College, 1913.

MILDRED WEST LORING, ..... *Graduate Scholar in Psychology.*  
Seattle, Wash. A.B., University of Washington, 1912, and A.M., 1913.

MAMIE MARSHALL, ..... *Penn College Scholar.*  
Union, Iowa. A.B., Penn College, 1913.

BEATRICE CORNELIA NATHANS,  
*Italian, Spanish, and Comparative Literature.*  
Philadelphia. A.B., Bryn Mawr College, 1914.

MARION EDWARDS PARK, ..... *Latin.*  
Oberlin, O. A.B., Bryn Mawr College, 1898, and A.M., 1899. Bryn Mawr European Fellow, and Graduate Student, Bryn Mawr College, 1898-99, 1912-13; Autumn Quarter, University of Chicago, 1900-01; American School of Classical Studies, Athens, Greece, 1901-02; Instructor in Classics, Colorado College, 1902-03, 1904-06, and Acting Dean of Women, 1903-04; Teacher of English in Miss Wheeler's School, Providence, R. I., 1906-07, and of Classics, 1907-09; Acting Dean of Bryn Mawr College, 1911-12.

MARY PEIRCE, ..... *Biblical Literature.*  
Haverford, Pa. A.B., Bryn Mawr College, 1912.

MARY EDITH PINNEY, ..... *Fellow by Courtesy in Biology.*  
Wilson, Kans. A.B., Kansas State University, 1908 and A.M., 1910. Teacher in High School, Alma, Kans., 1908-09, Teaching Fellow in Zoology, Kansas State University, 1909-10; Fellow in Biology, Bryn Mawr College, 1910-11; President's European Fellow and Student, Universities of Bonn and Heidelberg and Zoological Station, Naples, 1911-12; Instructor in Zoology, Kansas State University, 1912-13; Demonstrator in Biology, Bryn Mawr College, 1913-14.

MARY WINEARLS PORTER, ..... *Geology.*  
London, England. Student, University of Oxford, 1908-10; University of Munich, Semester II, 1913. Arranging Geological Museum, Bryn Mawr College, 1913-14.

JESSIE LUNT PREBLE, ..... *Philosophy and Psychology.*  
Berkeley, Cal. A.B., University of California, 1913.

MARION PRICE, ..... *Spanish.*  
Whitford, Pa. A.B., Vassar College, 1910. Drexel Institute Library School, 1911. Assistant to the Librarian, Bryn Mawr College, 1912-14.

WINIFRED ROBEY, ..... *Graduate Scholar in Mathematics.*  
Davidson, Okla. A.B., University of Oklahoma, 1913.

HILDA WORTHINGTON SMITH, ..... *History and Psychology.*  
New York City. A.B., Bryn Mawr College, 1910, and A.M., 1911. Graduate Student, Bryn Mawr College, 1910-11; New York School of Philanthropy, 1912-13; Warden of Rockefeller Hall, Bryn Mawr College, 1913-14.

LORLE IDA STECHER, ..... *Graduate Scholar in Psychology.*  
Philadelphia. A.B., Bryn Mawr College, 1912 and A.M., 1913. Graduate Scholar in Psychology, Bryn Mawr College, 1912-13.

LOIS STEVENS, ..... *English, History of Art, and Classical Archaeology.*  
Lawrence, Kans. A.B., University of Kansas, 1911. Teacher in the High School, Minneapolis, Kans., 1912-13.

HELEN REBECCA STEWARD,  
*Biblical Literature, History, Economics, and Education.*  
Carlinville, Ill. A.B., Blackburn College, 1908. Teacher in Blackburn Academy, 1911-12.

OTTILIE THEOBALD, ..... *Graduate Scholar in Romance Languages.*  
Columbus, O. A.B., Ohio State University, 1911. Graduate Student, Bryn Mawr College, 1911-12; Graduate Student, Ohio State University, 1912-13.

- MARGUERITE THIEBAUD, \*.....*Scholar in English.*  
Connersville, Ind. A.B., Earlham College, 1912.
- MIRIAM THOMAS,.....*Education.*  
Haverford, Pa. A.B., Bryn Mawr College, 1902, and A.M., 1903. Graduate Foundation Scholar, Bryn Mawr College, 1902-03; Assistant in Latin in the Baldwin School, Bryn Mawr, 1903-06.
- EMILY RACHEL VAIL,.....*English Diction.*  
Philadelphia. A.B., Bryn Mawr College, 1891. Private Tutor, 1891-96, 1901-03; Teacher in Mrs. E. L. Head's School, Germantown, 1896-98, in the Bennett Memorial School, London, Ky., 1899-1901; in the Agnes Irwin School, Philadelphia, 1903-04, in the Baldwin School, Bryn Mawr, Pa., 1905-06, in Miss Hills's School, Philadelphia, 1906-13, and in the Stevens School, Germantown, 1903-04, 1910-12.
- ANNE GARRETT WALTON,.....*Semitic Languages.*  
Media, Pa. A.B., Bryn Mawr College, 1909. Teacher of Greek in the Friends' Select School, Philadelphia, 1910-14.
- CYNTHIA MARIA WESSON,.....*Graduate Scholar in Biology.*  
Boston, Mass. A.B., Bryn Mawr College, 1909. Student in Dr. Sargent's School for Physical Education, Cambridge, Mass., 1910-13.
- MARGUERITE WILLCOX,.....*Graduate Scholar in Chemistry.*  
Oxford, N. Y. A.B., Mt. Holyoke College, 1913.

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*Undergraduate Students, Academic Year, 1913-14.*

- ABERNETHY, FLORENCE ROSAMOND, . . .*Group, Latin and ———*, 1911-14.  
Bryn Mawr, Pa. Prepared by the Lower Merion High School, Ardmore, Pa.
- ALBERTSON, MARY,  
.....*Group, Modern History and Economics and Politics*, 1911-14.  
Magnolia, N. J. Prepared by the Friends' Central School, Philadelphia.
- ALDEN, RUTH WESTON,.....*Group, ———*, 1912-14.  
Rochester, N. Y. Prepared by the Baldwin School, Bryn Mawr, Pa., and by private tuition.
- ALLEN, ELEANOR BRADFORD, . . . . .*Group, Chemistry and Biology*, 1910-14.  
Bonita, Cal. Prepared by the High School, National City, Cal., and by the Bishop's School, San Diego, Cal.
- ALLEN, RUTH LINTON,.....*Group, ———*, 1913-14.  
La Fayette, Ala. Prepared by the Margaret Allen School, Birmingham, Ala., and by the Misses Shipley's School, Bryn Mawr, Pa.
- ALLPORT, CAROLINE ELIZABETH,  
.....*Group, French and Modern History*, 1910-14.  
Chicago, Ill. Prepared by the University School for Girls, Chicago.
- ALLPORT, HARRIET HUBBARD,.....*Group, ———*, 1913-14.  
Chicago, Ill. Prepared by the University School for Girls, Chicago. University of Chicago, 1912-13.
- ANDREWS, MARY BARTOW,.....*Group, ———*, 1913-14.  
Englewood, N. J. Prepared by the High School, Englewood, and by the Misses Shipley's School, Bryn Mawr, Pa.
- ARTHURS, MARTHA MONTGOMERY, *Group, Chemistry and Biology*, 1910-14.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

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\* Died, March 13, 1914.

- ASH, RACHEL, . . . . . *Group, Chemistry and Biology, 1911-14.*  
Philadelphia. Prepared by the Girls' High School, Philadelphia. City Scholar, 1911-12,  
and Trustees' Philadelphia Girls' High School Scholar, 1912-14.
- ATHERTON, ELIZABETH GRIER,  
*Group, Modern History and Economics and Politics, 1910-11, 1912-14.*  
Wilkes Barre, Pa. Prepared by the Wilkes Barre Institute, Wilkes Barre.
- AYER, ELIZABETH,  
*Group, Modern History and Economics and Politics, 1910-14.*  
Boston, Mass. Prepared by the Winsor School, Boston, Mass., and by Miss Porter's  
School, Farmington, Conn.
- BAIRD, JANET, . . . . . *Group, English and Comparative Literature, 1910-14.*  
Sharon Hill, Pa. Prepared by the Girls' High School, Philadelphia. Trustees' Phila-  
delphia Girls' High School Scholar, 1910-14, James E. Rhoads Junior Scholar, 1912-13,  
Anna M. Powers Scholar, 1913-14.
- BAIRD, MILDRED,  
*Group, Modern History and Economics and Politics, 1910-14.*  
Sharon Hill, Pa. Prepared by the Girls' High School, Philadelphia. First Bryn Mawr  
Matriculation Scholar for Pennsylvania and the Southern States, 1910-11, and City  
Scholar, 1910-14, Elizabeth Duane Gillespie Scholar, 1913-14.
- BAKER, EUGENIA GRIFFIN, . . . . . *Group, English and Philosophy, 1910-14.*  
New York City. Prepared by Rosemary Hall, Greenwich, Conn.
- BAKER, VIRGINIA, . . . . . *Group, Latin and ———, 1912-14.*  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore, Md.
- BALDERSTON, ELIZABETH GRECIAN,  
*Group, English and Comparative Literature, 1910-14.*  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Bryn Mawr School  
Scholar, 1910-13.
- BALDWIN, ELIZABETH FORD, *Group, French and Modern History, 1910-14.*  
New York City. Prepared by the Bryn Mawr School, Baltimore, Md.
- BARNETT, HAZEL KATHRYN, *Group, French and Modern History, 1911-14.*  
Bedford, Pa. Prepared by the High School, Bedford.
- BARNETT, HELEN MARY, . . . . . *Group, ———, 1912-14.*  
Bedford, Pa. Prepared by the High School, Bedford, and by the Misses Kirk's School,  
Bryn Mawr, Pa.
- BARRETTE, KATHARINE BIDDLE, . . . . . *Group, ———, 1913-14.*  
Fort Howard, Md. Prepared by the Waynesfete School, Portland, Me., by Ashley Hall,  
Charleston, S. C., by Packer Collegiate Institute, Brooklyn, N. Y., and by the Bryn  
Mawr School, Baltimore, Md.
- BATCHELDER, KATHRYNE CHASE, . . . . . *Group, ———, 1912-14.*  
Faribault, Minn. Prepared by the High School, Faribault. University of Minnesota,  
1911-12.
- BATCHELOR, JEAN MURIEL, . . . . . *Group, English and Philosophy, 1910-14.*  
Philadelphia. Prepared by the Girls' High School, Philadelphia.
- BEACH, ESTHER BELDING, . . . . . *Group, French and History of Art, 1913-14.*  
Ballston Spa, N. Y. Prepared by the High School, Ballston, and by the Baldwin School,  
Bryn Mawr, Pa.
- BEARDWOOD, ALICE, . . . . . *Group, ———, 1913-14.*  
Philadelphia. Prepared by the Girls' High School, Philadelphia.
- BECHTEL, DOROTHEA, . . . . . *Group, English and French, 1910-14.*  
Carpenter, Del. Prepared by the Friends' School, Wilmington, Del.
- BELLEVILLE, DOROTHY, . . . . . *Group, ———, 1912-14.*  
Sewickley, Pa. Prepared by the High School, Sewickley.



- BENEDICT, ISABEL HOPKINS,  
*Group, Modern History and Economics and Politics*, 1910-14.  
 New York City. Prepared by the Misses Rayson's School, New York City.
- BENSBERG, BETSY BROOKE BRIGHT,  
*Group, Modern History and ———*, 1912-14.  
 St. Louis, Mo. Prepared by Penn Hall, Chambersburg, Pa., and by private tuition and by the Misses Kirk's School, Bryn Mawr, Pa.
- BERING, MARY ISABEL,  
*Group, Economics and Politics and Philosophy*, 1910-14.  
 Decatur, Ill. Prepared by the High School, Decatur, and by the Misses Kirk's School, Bryn Mawr, Pa.
- BIRD, DORIS MARIE, . . . . . *Group, Mathematics and ———*, 1913-14.  
 Philadelphia. Prepared by the Girls' High School, Philadelphia. City Scholar, 1913-14.
- BIXLER, RENA CATHERINE, . . . . . *Group, Philosophy and Physics*, 1910-14.  
 Pittsburgh, Pa. Prepared by the Stuart Mitchell School, Pittsburgh, and by the Winchester School, Pittsburgh.
- BLANC, ZENA JENNIE, . . . . . *Group, Mathematics and ———*, 1911-14.  
 Philadelphia. Prepared by the Girls' High School, Philadelphia. Charles E. Ellis Scholar, 1911-12; additional James E. Rhoads Sophomore Scholar and Special Scholar, 1912-13; Mary E. Stevens Junior Scholar and Special Scholar, 1913-14.
- BLANCHARD, MARGARET TERRY,  
*Group, Economics and Politics and Philosophy*, 1910-14.  
 New York City. Prepared by the Veltin School, New York City.
- BLODGETT, KATHARINE BURR, *Group, Mathematics and Physics*, 1913-14.  
 New York City. Prepared by the Misses Rayson's School, New York City. First New York, New Jersey and Delaware Matriculation Scholar, 1913-14.
- BLOUNT, EUGENIA, . . . . . *Group, French and Modern History*, 1911-14.  
 Birmingham, Ala. Prepared by the High School, Birmingham, and by private tuition.
- BOARDMAN, WYNANDA KOECHLIN,  
*Group, French and History of Art*, 1910-14.  
 Troy, N. Y. Prepared by Miss Knox's School, Briarcliff Manor, N. Y., and by Rosemary Hall, Greenwich, Conn.
- BOYD, JESSIE, *Group, Modern History and Economics and Politics*, 1910-14.  
 New York City. Prepared by the Veltin School, New York City.
- BOYD, MARY, . . . . . *Group, ———*, 1913-14.  
 New York City. Prepared by the Veltin School, New York City.
- BOYER, FRANCES ELIZABETH,  
*Group, Latin and Classical Archæology*, 1911-14.  
 Pottsville, Pa. Prepared by the High School, Pottsville, and by the Dwight School, Englewood, N. J.
- BRADFORD, HARRIET, . . . . . *Group, Latin and English*, 1911-14.  
 San Francisco, Cal. Prepared by the Lowell High School, San Francisco.
- BRADLEY, FRANCES SLADEN, . . . . . *Group, Latin and ———*, 1912-14.  
 Fort Leavenworth, Kans. Prepared by Portland Academy, by St. Helen's Hall, Portland, Ore., and by the Baldwin School, Bryn Mawr, Pa.
- BRADWAY, MARGARET SAEGER,  
*Group, French and Modern History*, 1911-14.  
 Haverford, Pa. Prepared by the Moses Brown School, Providence, R. I.
- BRAKELEY, ELIZABETH, . . . . . *Group, Mathematics and ———*, 1912-14.  
 Freehold, N. J. Prepared by the High School, Freehold, and by the Baldwin School, Bryn Mawr, Pa.



- BRADLEY, ELIZABETH,.....*Group, Latin and French, 1910-14.*  
Concord, Mass. Prepared by the High School, Concord. Maria Hopper Sophomore Scholar, 1911-12.
- BRANDEIS, SUSAN,  
*Group, Modern History and Economics and Politics, 1911-14.*  
Boston, Mass. Prepared by the Winsor School, Boston.
- BRANDON, ROSE,  
*Group, Modern History and Economics and Politics, 1910-14.*  
Butler, Pa. Prepared by the High School, Butler, and by private tuition.
- BRANHAM, JULIET CAPERS,.....*Group, Greek and ———, 1912-14.*  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Bryn Mawr School Scholar, 1912-13; Maria Hopper Sophomore Scholar, 1913-14.
- BRANSON, LAURA ELIZABETH,.....*Group, Latin and ———, 1911-14.*  
Coatesville, Pa. Prepared by the High School, Coatesville.
- BRANSON, MARY GARRETT,.....*Group, ———, 1912-14.*  
Rosemont, Pa. Prepared by Miss Wright's School, Bryn Mawr, Pa., and by the West-town Boarding School, Westtown, Pa.
- BRIDGE, ISABELLE,.....*Group, German and Modern History, 1912-14.*  
Evanston, Ill. Prepared by the Evanston Academy, Evanston, and by the Misses Shipley's School, Bryn Mawr, Pa. Northwestern University, 1911-12.
- BROWN, ANNA HAINES,  
*Group, Modern History and Economics and Politics, 1911-14.*  
Philadelphia. Prepared by Miss Sayward's School, Philadelphia, and by private tuition.
- BROWN, CHRISTINE,  
*Group, Modern History and Economics and Politics, 1910-14.*  
Springfield, Ill. Prepared by Stuart School, Springfield, by the Monticello School, Alton, Ill., by Rosemary Hall, Greenwich, Conn., and by private tuition.
- BROWN, LOVIRA CHAPIN,.....*Group, ———, 1913-14.*  
Greenwich, Conn. Prepared by Rosemary Hall, Greenwich.
- BROWN, MARGERY LORRAINE,.....*Group, Latin and ———, 1912-14.*  
Bryn Mawr, Pa. Prepared by the Baldwin School, Bryn Mawr.
- BROWNELL, MARY GERTRUDE,  
*Group, Italian and Comparative Literature, 1911-14.*  
Providence, R. I. Prepared by Miss Wheeler's School, Providence, and by St. Timothy's School, Catonsville, Md., and by private tuition.
- BRYANT, CATHARINE REQUA,.....*Group, ———, 1911-14.*  
Chicago, Ill. Prepared by the Loring School, Chicago.
- BRYANT, ELIZABETH SOHIER,  
*Group, Modern History and Economics and Politics, 1910-14.*  
Cohasset, Mass. Prepared by the Winsor School, Boston, Mass.
- BRYANT, GLADYS,.....*Group, ———, 1913-14.*  
Cohasset, Mass. Prepared by the Winsor School, Boston, Mass.
- BRYNE, EVA ALICE WORRALL,.....*Group, Latin and ———, 1912-14.*  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1912-14; James E. Rhoads Sophomore Scholar, 1913-14.
- BUCHANAN, ETHEL,.....*Group, Latin and French, 1911-14.*  
Philadelphia. Prepared by the High School, Bridgeport, Conn.
- BURCHARD, AGNES ELIZABETH,.....*Group, ———, 1911-14.*  
New York City. Prepared by the Veltin School, New York City.
- BURT, ALENE,.....*Group, Spanish and ———, 1912-14.*  
New York City. Prepared by the Veltin School, New York City.

- CADBURY, LEAH TAPPER, . . . . . *Group, Latin and French*, 1910-14.  
Haverford, Pa. Prepared by the Westtown Boarding School, Westtown, Pa. Foundation Scholar, 1910-14.
- CAMP, MARION MERRILL,  
*Group, Modern History and Economics and Politics*, 1910-14.  
Milwaukee, Wis. Prepared by Milwaukee-Downer College Seminary and by Rosemary Hall, Greenwich, Conn.
- CAPEL, FRANK MARCELLA,  
*Group, Modern History and Economics and Politics*, 1910-14.  
Pittsburgh, Pa. Prepared by the Misses Mitchell's School, Pittsburgh, and by the Misses Shipley's School, Bryn Mawr, Pa.
- CAREY, HELEN FRASER, *Group, French and Italian and Spanish*, 1910-14.  
New York City. Prepared by the Veltin School, New York City, and by Rosemary Hall, Greenwich, Conn.
- CARROLL, HELOISE, . . . . . *Group, ———*, 1913-14.  
Asheville, N. C. Prepared by the Asheville School for Girls, Asheville, and by the Misses Shipley's School, Bryn Mawr, Pa.
- CASSELBERRY, CATHARINE, . . . . . *Group, ———*, 1913-14.  
Chicago, Ill. Prepared by the University School for Girls, Chicago, and by Miss Wright's School, Bryn Mawr, Pa.
- CHAMBERLAIN, MARY MITCHELL, *Group, Chemistry and Biology*, 1911-14.  
West Raleigh, N. C. Prepared by St. Mary's School, West Raleigh.
- CHAPIN, HELEN BURWELL,  
*Group, Chemistry and Biology*, 1910-11, 1912, 1912-14.  
St. David's, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- CHASE, HELEN STARKWEATHER, . . . . . *Group, ———*, 1912-14.  
Waterbury, Conn. Prepared by St. Margaret's School, Waterbury, and by Miss Spence's School, New York City.
- CHASE, LUCIA HOSMER, . . . . . *Group, Greek and ———*, 1913-14.  
Waterbury, Conn. Prepared by St. Margaret's School, Waterbury.
- CHASE, MARGARET, . . . . . *Group, ———*, 1912-14.  
Titusville, Pa. Prepared by the High School, Titusville, and by Miss Wright's School, Bryn Mawr, Pa.
- CHENEY, ELIZABETH HOPE, . . . . . *Group, French and ———*, 1913-14.  
Philadelphia. Prepared by the Girl's High School, Philadelphia. Charles E. Ellis Scholar, 1913-14.
- CHILDS, MARJORIE, . . . . . *Group, Mathematics and Physics*, 1910-14.  
Norristown, Pa. Prepared by the High School, Norristown, and by the Misses Kirk's School, Bryn Mawr, Pa.
- CLINE, MARY SYLVESTER, . . . . . *Group, ———*, 1913-14.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Minnie Murdoch Kendrick Memorial Scholar, 1913-14.
- CLINTON, ELEANOR MARCELLA, *Group, Mathematics and Physics*, 1912-14.  
Philadelphia. Prepared by the Portland Academy, Portland, Ore., and by the Girls' High School, Philadelphia. Second Bryn Mawr Matriculation Scholar for Pennsylvania and Southern States, 1912-13; Frances Marion Simpson Memorial Scholar and City Scholar, 1912-14.
- COLLINS, PHYLLIS, . . . *Group, Economics and Politics and ———*, 1911-14.  
Cincinnati, O. Prepared by the National Cathedral School, Washington, D. C., and by the Baldwin School, Bryn Mawr, Pa.
- COLLINS, SARAH LOUISE, . . . . . *Group, ———*, 1913-14.  
Purchase, N. Y. Prepared by the Westtown Boarding School, Westtown, Pa., and by the Brearley School, New York City.

- COLT, ELIZABETH FITZHUGH, . . . . . *Group, French and Spanish*, 1910-14.  
Mt. Vernon, N. Y. Prepared by the Dearborn-Morgan School, Orange, N. J., and by Dana Hall, Wellesley, Mass.
- COLTER, MARY FRANCES, . . . . . *Group*, ———, 1913-14.  
Cincinnati, O. Prepared by the Bartholomew-Clifton School, Cincinnati. Second Bryn Mawr Western States Matriculation Scholar, 1913-14.
- COMSTOCK, MARY CECILIA EVERETT, . . . . . *Group*, ———, 1913-14.  
Madison, Wis. Prepared by Château des Apenins, Lausanne, Switzerland, and by the High School, Madison. University of Wisconsin, 1912-13.
- COOLIDGE, 2ND, MARY LOWELL, *Group, English and Philosophy*, 1910-14.  
Concord, Mass. Prepared by Miss White's School, Concord, and by the Winsor School, Boston, Mass.
- COULTER, ANNA BREWSTER, . . . . . *Group*, ———, 1913-14.  
Chicago, Ill. Prepared by the University School for Girls, Chicago, and by Rosemary Hall, Greenwich, Conn.
- COX, JR., LENORE HANNA, . . . . . *Group, French and* ———, 1912-14.  
Terre Haute, Ind. Prepared by the State Normal Training School, Terre Haute, and by Monticello Seminary, Godfrey, Ill.
- COX, LILLIEN ADELE, . . . . .  
*Group, Modern History and Economics and Politics*, 1910-14.  
Milburn, N. J. Prepared by the Dearborn-Morgan School, Orange, N. J., and by Dana Hall, Wellesley, Mass.
- CREIGHTON, CATHERINE, . . . . .  
*Group, Modern History and Economics and Politics*, 1910-14.  
Evanston, Ill. Prepared by Miss Kelly's School, Scituate, Mass.
- CROWELL, CAROLINE, . . . . . *Group*, ———, 1912-14.  
Avondale, Pa. Prepared by private tuition.
- CURRY, PHOEBE, . . . . . *Group*, ———, 1913-14.  
Danville, Pa. Prepared by Dickinson Seminary, Williamsport, Pa., and by the Misses Shipley's School, Bryn Mawr, Pa.
- CURTIN, FRANCES BIRDA, . . . . . *Group*, ———, 1913-14.  
Clarksburg, W. Va. Prepared by the High School, Clarksburg, and by the Misses Shipley's School, Bryn Mawr, Pa.
- DARKOW, MARGUERITE DAISY, *Group, Mathematics and Physics*, 1911-14.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. First Bryn Mawr Matriculation Scholar for Pennsylvania and the Southern States, 1911-12, and Simon Muhr Scholar, 1911-14; James E. Rhoads Junior Scholar, 1913-14.
- DARLOW, IDA ROWENA, . . . . . *Group*, ———, 1912-14.  
Omaha, Neb. Prepared by Brownell Hall, Omaha. University of Nebraska, 1911-12.
- DAVIDSON, LUCILE, . . . . . *Group, Economics and Politics and* ———, 1911-14.  
Fort Worth, Tex. Prepared by the Veltin School, New York City.
- DAVIS, ANNE WALLIS, . . . . . *Group*, ———, 1913-14.  
Princeton, N. J. Prepared by Miss Fine's School, Princeton.
- DAVIS, JEAN SCOBIE, . . . . .  
*Group, Modern History and Economics and Politics*, 1910-14.  
Princeton, N. J. Prepared by Deutsche Landerziehungsheim, Sieversdorf, Germany, and by the Princeton School, Princeton. First Bryn Mawr Matriculation Scholar for New York, New Jersey and Delaware, 1910-11.
- DELANO, LAURA, . . . . .  
*Group, Modern History and Economics and Politics*, 1910-14.  
Chicago, Ill. Prepared by the Francis W. Parker School, Chicago, and by Miss Wright's School, Bryn Mawr, Pa.
- DEMING, JULIA, . . . . . *Group, Biology and* ———, 1911-14.  
Oswego, Kan. Prepared by Oswego College and by the Baldwin School, Bryn Mawr, Pa.



- DENEEN, DOROTHY,  
*Group, Modern History and Economics and Politics, 1912-14.*  
 Springfield, Ill. Prepared by the High School, Springfield, and by Rosemary Hall, Greenwich, Conn.
- DESSAU, ENID, . . . . . *Group, French and Comparative Literature, 1911-14.*  
 New York City. Prepared by the Gordon-Winston School, New York City, and by the Hawthorne School, New York City.
- DE VENISH, ADDIE CLEORA, . . . . . *Group, ———, 1912-14.*  
 Philadelphia. Prepared by the Hannah More Academy, Reisterstown, Md., by the Girls' High School, Philadelphia, and by private tuition.
- DIAMOND, ISABELLA STEVENSON, . . . . . *Group, ———, 1913-14.*  
 Fulton, N. Y. Prepared by the High School, Fulton, by the Baldwin School, Bryn Mawr, Pa., and by the Misses Kirk's School, Bryn Mawr. Syracuse University, 1911-12.
- DILLINGHAM, LOUISE BULKELEY, . . . *Group, German and French, 1912-14.*  
 Millburn, N. J. Prepared by the Short Hills School, Short Hills, N. J. Second Bryn Mawr Matriculation Scholar for New York, New Jersey and Delaware, 1912-13.
- DIXON, HENRIETTA AMELIA, . . . . . *Group, ———, 1913-14.*  
 East Orange, N. J. Prepared by the High School, East Orange.
- DODD, KATHARINE, . . . . . *Group, Chemistry and Biology, 1910-14.*  
 Chestnut Hill, Mass. Prepared by Miss Haskell and Miss Dean's School, Boston, Mass. First Bryn Mawr Matriculation Scholar for the New England States, 1910-11; Brooke Hall Memorial Scholar, 1913-14.
- DODD, MARGARET PERLEY, . . . . . *Group, ———, 1912-14.*  
 Chestnut Hill, Mass. Prepared by Miss Haskell and Miss Dean's School, Boston, Mass.
- DOUGHERTY, ELEANOR,  
*Group, Economics and Politics and Philosophy, 1911-14.*  
 New York City. Prepared by the Packer Collegiate Institute, Brooklyn, and by the Veltin School, New York City.
- DOWD, CONSTANCE ELEANOR, . . . . . *Group, Biology and ———, 1912-14.*  
 New York City. Prepared by the Misses Rayson's School, New York City.
- DULLES, ELEANOR LANSING, . . . . . *Group, ———, 1913-14.*  
 Auburn, N. Y. Prepared by the High School, Auburn, by Mt. Vernon Seminary, Washington, D. C., and by Wykeham Rise, Washington, Conn. First Bryn Mawr New England States Matriculation Scholar, 1913-14.
- DUNHAM, ETHEL COLLINS, . . . . . *Group, Chemistry and Biology, 1910-14.*  
 Hartford, Conn. Prepared by Miss Porter's School, Farmington, Conn.
- ELWOOD, CATHERINE PRESCOTT,  
*Group, French and Modern History, 1911-14.*  
 Minneapolis, Minn. Prepared by Stanley Hall School, Minneapolis, and by "Les Marronniers," Paris, France.
- EMERSON, ELISABETH, . . . . . *Group, ———, 1913-14.*  
 Providence, R. I. Prepared by the Lincoln School, Providence.
- EMERY, GERTRUDE CANTERBURY,  
*Group, French and Modern History, 1911-14.*  
 Boston, Mass. Prepared by the Misses May's School, Boston.
- ERBSLOH, OLGA HELEN CLARA,  
*Group, Economics and Politics and Philosophy, 1911-14.*  
 New York City. Prepared by the Brearley School, New York City.
- EVANS, DOROTHY MORTON,  
*Group, Modern History and Economics and Politics, 1913, 1913-14.*  
 St. Louis, Mo. Prepared by the Central High School, St. Louis, and by the University Preparatory School, Columbus, Mo. University of Missouri, 1912-13.



- EVANS, HELENE REBECCA,  
*Teacher in History, Psychology, History of Art and Classical Archæology,*  
1911-14.  
Philadelphia. Prepared by the Commercial High School for Girls, Philadelphia, by the  
Gordon School, Philadelphia, and by private tuition.
- EVANS, MARION ANNETTE, . . . . *Group, French and History of Art,* 1910-14.  
Wilkes Barre, Pa. Prepared by the Wilkes Barre Institute.
- EVERETT, HELEN, . . . . . *Group, Greek and Philosophy,* 1911-12, 1913-14.  
Providence, R. I. Prepared by St. Agnes School, Albany, N. Y., and by Miss Wheeler's  
School, Providence. Holder of the Second Bryn Mawr Matriculation Scholarship for  
the New England States, 1911-12; Brown University, 1912-13.
- FAULKNER, ELIZABETH, . . . . . *Group, ———,* 1913-14.  
Keene, N. H. Prepared by the MacDuffie School, Springfield, Mass., and by the Winsor  
School, Boston, Mass.
- FEURER, MARGARET BARTON, . . . . . *Group, ———,* 1913-14.  
Philadelphia. Prepared by the Friends' Select School and by the Friends' Central School,  
Philadelphia.
- FLEISHER, MADELEINE WOLF, . . *Group, Physics and Philosophy,* 1910-14.  
Philadelphia. Prepared by the Misses Kirk's School, Bryn Mawr, Pa.
- FLEMING, HARRIET EDNA, *Group, French and Spanish and Italian,* 1910-14.  
Philadelphia. Prepared by the Girls' High School, Philadelphia.
- FORDYCE, REBECCA WALTON, . . . . . *Group, ———,* 1912-14.  
Youngstown, O. Prepared by the Yale Avenue Private School and by the Rayen School,  
Youngstown.
- FORSTER, SOPHIE KATHARINE, *Group, German and Modern History,* 1910-14.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Special Scholar,  
1910-14.
- FOSTER, ISABEL, *Group, English and Philosophy and Psychology,* 1911-14.  
Portsmouth, N. H. Prepared by the High School, Portsmouth.
- FOSTER, MILDRED,  
*Group, Modern History and Economics and Politics,* 1913-14.  
New York City. Prepared by the Central High School, Washington, D. C., by the  
Friends' School, Washington, and by the Staten Island Academy.
- FREE, MARGARET LOUISE,  
*Group, Economics and Politics and Psychology,* 1911-14.  
Pittsburgh, Pa. Prepared by Dilworth Hall, Pittsburgh, and by the High School, Pitts-  
burgh.
- FREER, ELEANOR, . . . . . *Group, Latin and French,* 1911-14.  
Chicago. Prepared by the University School for Girls, Chicago. First Bryn Mawr  
Matriculation Scholar for the Western States, 1911-12.
- FULLER, CLARA BERTRAM,  
*Group, Economics and Politics and ———,* 1912-14.  
New York City. Prepared by the Cornish School, Windsor, Vt., and by the Brearley  
School, New York City.
- FYFE, FLORENCE MARJORIE,  
*Group, Modern History and Economics and Politics,* 1911-14.  
Winnetka, Ill. Prepared by Kemper Hall, Kenosha, Wis. Second Bryn Mawr Matricu-  
lation Scholar for the Western States, 1911-12.
- GAIL, NANNIE, . . . . . *Group, ———,* 1912-14.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- GALE, ELEANORE EDWARDS,  
*Group, Modern History and Economics and Politics,* 1910-14.  
Washington, D. C. Prepared by the National Cathedral School, Washington, and by  
the Misses Kirk's School, Bryn Mawr, Pa.

- GARFIELD, LUCRETIA,.....*Group*, ———, 1912-14.  
Williamstown, Mass. Prepared by St. Timothy's School, Catonsville, Md.
- GLASCOCK, EMILY,  
*Group, Modern History and Economics and Politics*, 1912-14.  
Upperville, Va. Prepared by the Baldwin School, Bryn Mawr, Pa.
- GLENN, MARY DOROTHY,.....*Group*, ———, 1913-14.  
Johnstown, Pa. Prepared by the High School, Johnstown.
- GLENN, RUTH, *Group, Modern History and Economics and Politics*, 1911-14.  
Johnstown, Pa. Prepared by the High School, Johnstown.
- GODLEY, CATHERINE SHERRED,  
*Group, French, Italian, and Spanish*, 1912-14.  
Cincinnati, O. Prepared by the College Preparatory School for Girls, Cincinnati.
- GOODALL, WINIFRED, *Group, English and Comparative Literature*, 1910-14.  
Cincinnati, O. Prepared by the Bartholomew-Clifton School, Cincinnati, by the Misses Shipley's School, Bryn Mawr, Pa., and by the College Preparatory School, Cincinnati.
- GOODHUE, MARY BROOKS,  
*Group, Modern History and Economics and Politics*, 1911-14.  
Philadelphia. Prepared by the Westtown Boarding School, Westtown, Pa., and by the Misses Shipley's School, Bryn Mawr, Pa.
- GOODNOW, LOIS ROOT,.....*Group, French and Spanish*, 1912-14.  
New York City. Prepared by the Veltin School, New York City, by Rosemary Hall, Greenwich, Conn., and by private tuition.
- GRABAU, AGNES WELLS,.....*Group*, ———, 1912-14.  
Plattsburgh, N. Y. Prepared by the High School, Plattsburgh. Maria Hopper Sophomore Scholar, 1913-14.
- GRACE, JANET RANDOLPH,.....*Group*, ———, 1913-14.  
New York City. Prepared by the Brearley School, New York City. Second Bryn Mawr Matriculation Scholar, for New York, New Jersey and Delaware 1913-14.
- GRANGER, ELISABETH SHERMAN,.....*Group*, ———, 1913-14.  
Philadelphia. Prepared by the Baldwin School, Bryn Mawr, Pa.
- GREENEWALD, JEANNETTE REEFER, *Group, German and French*, 1912-14.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Charles E. Ellis Scholar, 1912-14.
- GREENOUGH, BERTHA CLARK,.....*Group*, ———, 1913-14.  
Providence, R. I. Prepared by the Hope Street High School, Providence, and by Miss Wheeler's School, Providence.
- HAENSSLER, MILDRED,  
*Group, Modern History and Economics and Politics*, 1910-14.  
St. Charles, Mo. Prepared by the High School, St. Charles. James E. Rhoads Sophomore Scholar, 1911-12; Anna Hallowell Memorial Scholar, 1912-13.
- HAINES, MARY TROTH,.....*Group, English and German*, 1910-14.  
Moorestown, N. J. Prepared by the Westtown Boarding School, Westtown, Pa., and by the Friends' Select School, Philadelphia.
- HALL, CONSTANCE SIDNEY,.....*Group*, ———, 1913-14.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Bryn Mawr School Scholar, 1913-14.
- HALLE, MARION REBECCA,.....*Group*, ———, 1913-14.  
Cleveland, O. Prepared by the Laurel School, Cleveland.
- HAMILL, NELLIE MILLER,.....*Group*, ———, 1913-14.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- HAMILTON, AMY GORDON,.....*Group, Greek and English*, 1909-14.  
Tenafly, N. J. Prepared by the Dwight School, Englewood, N. J.

- HARDING, CHARLOTTE GITTINGS, . . . . . *Group*, ———, 1912-14.  
Washington, D. C. Prepared by the National Cathedral School for Girls, Washington.
- HARDON, ANNE FRANCES, . . . . .  
*Group, Modern History and Economics and Politics*, 1911-14.  
New York City. Prepared by the Brearley School, New York City, and by Rosemary Hall, Greenwich, Conn.
- HARING, HELEN GARNSEY, . . . . .  
*Hearer by Courtesy in History and Classical Archæology*, 1913-14.  
Bryn Mawr, Pa. Special Student, Teacher's College, Columbia University, 1910-11.
- HARLAN, MARY MONROE, . . . . . *Group, Latin and Mathematics*, 1911-14.  
Bel Air, Md. Prepared by the High School, Bel Air, and by the Bryn Mawr School, Baltimore, Md. Special Scholar, 1912-13.
- HARRIS, HELEN MARIE, . . . . . *Group*, ———, 1913-14.  
Philadelphia. Prepared by the Baldwin School, Bryn Mawr, Pa. Special Frances Marion Simpson Scholar, 1913-14.
- HARRIS, LUCY WEYGANDT, . . . . . *Group*, ———, 1913-14.  
Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia.
- HASKELL, MARGARET KINGSLAND, . . . . . *Group*, ———, 1912-14.  
Lincoln, Neb. Prepared by the Wolcott School, Denver, Colo.
- HATTON, FLORENCE GAGE, . . . . . *Group, Philosophy and Psychology*, 1911-14.  
Columbus, O. Prepared by the Columbus School for Girls.
- HAUPT, ISTAR ALIDA, . . . . . *Group*, ———, 1913-14.  
Roland Park, Md. Prepared by the Bryn Mawr School, Baltimore, Md.
- HENENWAY, ELISABETH, . . . . . *Group, Mathematics and Physics*, 1913-14.  
Windsor, Vt. Prepared by St. Agnes School, Albany, N. Y., and by Wykeham Rise, Washington, Conn.
- HENDERSON, MARGARET ISELIN, . . . . . *Group*, ———, 1913-14.  
New York City. Prepared by Miss Chapin's School for Girls, New York City.
- HEYDEMANN, CLARA WALLACE, . . . . . *Group*, ———, 1912-14.  
St. Paul, Minn. Prepared by Mrs. Backus's School, St. Paul. Second Bryn Mawr Matriculation Scholar for the Western States, 1912-13; Special Scholar, 1913-14.
- HICKMAN, MARY LEE, . . . . .  
*Group, Economics and Politics and* ———, 1912-14.  
Glenview, Ky. Prepared by the Public Schools, Louisville, Ky., and by Miss Wright's School, Bryn Mawr, Pa.
- HILL, ELEANOR HOUSTON, . . . . . *Group, Latin and* ———, 1912-14.  
Evanston, Ill. Prepared by the Evanston Township High School. Northwestern University, 1911-12.
- HINDE, SARAH FENTON, . . . . . *Group*, ———, 1913-14.  
Chicago, Ill. Prepared by the Chicago Latin School for Girls and by private tuition.
- HITCHCOCK, FLORENCE, . . . . . *Group*, ———, 1912-14.  
Philadelphia. Prepared by the Misses Kirk's School, Bryn Mawr, Pa.
- HITOTSUYANAGI, MAKI, . . . . . *Group*, ———, 1912-14.  
Bryn Mawr, Pa. Prepared by the Misses Kirk's School, Bryn Mawr.
- HOBSON, MARTHA BARBOUR, . . . . . *Group, Latin and English*, 1910-14.  
Chicago, Ill. Prepared by the University School for Girls, Chicago. First Bryn Mawr Matriculation Scholar for the Western States, 1910-11.
- HODGE, MARY ROBINSON, . . . . . *Group, Modern History and* ———, 1913-14.  
Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia.
- HOFF, MARGARET, . . . . . *Group*, ———, 1913-14.  
New York City. Prepared by the Brearley School, New York City.



- HOLCOMBE, EUGENIA,.....*Group*, ———, 1913-14.  
Washington, D. C. Prepared by the Western High School, Washington, by Miss Walker's School, Lakewood, N. J., and by Miss Madeira's School, Washington.
- HOLIDAY, ELIZABETH CRUFT,.....*Group*, ———, 1912-14.  
Indianapolis, Ind. Prepared by Tudor Hall, Indianapolis, and by the Shortridge High School, Indianapolis.
- HOLLINGSWORTH, LOUISE WALKER,....*Group, Latin and* ———, 1911-14.  
Athens, Ga. Prepared by Lucy Cobb Institute, Athens, Ga.
- HOLLIS, JANETTE RALSTON,.....*Group*, ———, 1913-14.  
Cambridge, Mass. Prepared by the Haskell-Dean School, Boston, Mass., by the Dwight School, Englewood, N. J., and by the Cambridge School, Cambridge. Second Bryn Mawr Matriculation Scholar for the New England States, 1913-14.
- HOLMES, HELEN BUCHANAN, *Group, Modern History and* ———, 1912-14.  
Cincinnati, O. Prepared by the College Preparatory School, Cincinnati.
- HOLMES, MAUD WISLIZENUS,  
*Group, Physics and Mathematics*, 1909-11, 1912-14.  
St. Louis, Mo. Prepared by The Mary Institute, St. Louis. Second Bryn Mawr Matriculation Scholar for the Western States, 1909-10.
- HOMPE, MARJORIE,.....*Group*, ———, 1913-14.  
Grand Rapids, Mich. Prepared by the Emma Willard School, Troy, N. Y. University of Wisconsin, 1911-13.
- HOPKINSON, RUTH WARREN, . . . *Group, Mathematics and Physics*, 1911-14.  
Lakewood, O. Prepared by the West High School, Cleveland, O.
- HORNBERGER, AGNES WARREN, . . *Group, Chemistry and Biology*, 1911-14.  
Pittsburgh, Pa. Prepared by the Thurston-Gleim Preparatory School, Pittsburgh.
- HUBBARD, RUTH,.....*Group, Latin and French*, 1911-14.  
Fort Moultrie, S. C. Prepared by the Misses Allen's School, West Newton, Mass.
- HUGHES, MARY DOROTHY,.....*Group, Latin and French*, 1910-14.  
Wilksburg, Pa. Prepared by the High School, Wilksburg, and by private tuition.
- HUMPHREY, ALFREDA,.....*Group*, ———, 1913-14.  
Worcester, Mass. Prepared by the Baldwin School, Bryn Mawr, Pa.
- HUMPHREY, ALICE ROBBINS,  
*Group, Modern History and Economics and Politics*, 1911-14.  
New York City. Prepared by the Veltin School, New York City.
- HUNTINGTON, KATHARINE,  
*Group, Modern History and Economics and Politics*, 1910-14.  
Princeton, N. J. Prepared by the Princeton School. Second Bryn Mawr Matriculation Scholar for New York, New Jersey, and Delaware, 1910-11.
- HUSE, ELEANOR BAKER, . . . *Group, French and Modern History*, 1911-14.  
Boston, Mass. Prepared by Rogers Hall, Lowell, Mass., by Miss Low's School, Stamford, Conn., and by the Misses Allen's School, West Newton, Mass.
- IDDINGS, FLORENCE ELIZABETH,  
*Group, Modern History and Economics and Politics*, 1913-14.  
North Platte, Neb. Prepared by the High School, North Platte, and by the Misses Kirk's School, Bryn Mawr, Pa.
- IRISH, FLORENCE CATHERINE,  
*Group, Modern History and Economics and Politics*, 1909-14.  
Norristown, Pa. Prepared by Miss Roney's School, Bala, Pa.
- IRVIN, HELEN WALKLEY,.....*Group, Greek and English*, 1911-14.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Bryn Mawr School Scholar, 1911-12; Maria Hopper Sophomore Scholar, 1912-13; Thomas H. Powers Scholar, 1913-14.



- IVORY, \* ELIZABETH SCHOFIELD, . . . . . *Group, English and French, 1911-14.*  
Claymont, Del. Woman's Medical College of Pennsylvania, 1909-10. Hearer, 1911-13.
- JACKSON, EUGENIA LOUISE,  
    *Group, Modern History and Economics and Politics, 1910-14.*  
Wilmington, Del. Prepared by the Misses Hebb's School, Wilmington.
- JACOBS, MILDRED CLARK,  
    *Group, Economics and Politics and Philosophy, 1911-14.*  
Philadelphia. Prepared by Miss Sayward's School, Overbrook, Philadelphia.
- JAGGARD, ANNE WRIGHT, . . . . . *Group, ———, 1912-14.*  
St. Paul, Minn. Prepared by Rosemary Hall, Greenwich, Conn.
- JAMESON, JEANNETTA CHALMERS, . . . . . *Group, ———, 1913-14.*  
Brooklyn, New York City. Prepared by the Packer Collegiate Institute, and by private tuition.
- JELLIFFE, SYLVIA CANFIELD, . . . . . *Group, ———, 1913-14.*  
New York City. Prepared by the Ethical Culture School, New York City, and by study in France and Germany.
- JENCKS, ELEANOR MAY, . . . . . *Group, French and ———, 1913-14.*  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- JENNINGS, BESSIE HOMER, *Hearer by Courtesy in History of Art, 1912-14.*  
Philadelphia. Graduate, Drexel Institute Library School, 1900. Assistant Cataloguer, Bryn Mawr College Library, 1908-14.
- JOACHIM, REBECCA ELIZABETH, *Group, Mathematics and ———, 1913-14.*  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1913-14.
- JOHNSON, ADA FRANCES, . . . . . *Group, ———, 1913-14.*  
Red Wing, Minn. Prepared by the High School, Red Wing, and by the Lutheran Ladies Seminary, Red Wing.
- JOHNSON, ESTHER, . . . . . *Group, ———, 1913-14.*  
Philadelphia. Prepared by the Girls' High School, Philadelphia. L. C. B. Saul Memorial Scholar, 1913-14.
- JOPLING, CATHARINE WALLER, *Group, Mathematics and Physics, 1913-14.*  
Willoughby, O. Prepared by the Laurel School, Cleveland, O.
- JUSTICE, MILDRED LEWIS, . . . . . *Group, Psychology and Physics, 1911-14.*  
Narberth, Pa. Prepared by the High School, Narberth.
- KEENEY, HELEN, . . . . . *Group, French and Italian, 1912-14.*  
Philadelphia. Prepared by the High School, Rockville, Conn.
- KELLEN, CONSTANCE, *Group, Economics and Politics and ———, 1912-14.*  
Cohasset, Mass. Prepared by Miss Wright's School, Bryn Mawr, Pa.
- KELLER, MARIE OTTILIE, . . . . . *Group, English and German, 1911-14.*  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1911-14.
- KELLOGG, FREDRIKA MASON, . . . . . *Group, Biology and ———, 1912-14.*  
Waterbury, Conn. Prepared by St. Margaret's School, Waterbury and by Rosemary Hall, Greenwich, Conn.
- KELLY, ESTHER WARNER, . . . . . *Group, ———, 1912-14.*  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- KELLY, OLGA ELIZABETH BREDOW, . . . *Group, Greek and English, 1909-14.*  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

- KENDIG, HILDEGARDE KING,.....*Group*, ———, 1913-14.  
 Waterloo, N. Y. Prepared by Miss Butts's School, Norwich, Conn., by the High School, Waterloo, and by the Misses Shipley's School, Bryn Mawr, Pa.
- KENYON, ADRIENNE,  
*Group, Economics and Politics and Philosophy and Psychology*, 1911-14.  
 New York City. Prepared by Miss Schoonmaker's School, New York City, and by the Horace Mann School, New York City. Second (equal) Bryn Mawr Matriculation Scholar for New York, New Jersey and Delaware, 1911-12.
- KINSEY, JANE,.....*Group*, ———, 1913-14.  
 Germantown, O. Prepared by the High School, Germantown, by the Misses Shipley's School, Bryn Mawr, and by private tuition.
- KIRK, EDITH BUCKNER,.....*Group*, ———, 1912-14.  
 Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- KIRK, HELEN REED,.....*Group, Latin and Ancient History*, 1910-14.  
 Philadelphia. Prepared by the Combined School, Germantown, Philadelphia, and by the Girls' High School, Philadelphia. Maria Hopper Sophomore Scholar, 1911-12; Special Scholar, 1913-14.
- KLEIN, LARIE MAE,.....*Group*, ———, 1912-14.  
 Cincinnati, O. Prepared by the University School, Cincinnati.
- KLEPS, MARIAN CLEMENTINE,.....*Group, Latin and* ———, 1912-14.  
 Philadelphia. Prepared by the Girls' High School, Philadelphia, and by private tuition. Trustees' Philadelphia Girls' High School Scholar, 1912-14; James E. Rhoads Sophomore and Special Scholar, 1913-14.
- KNAUTH, ILSE MAGDALENE,.....*Group*, ———, 1913-14.  
 New York City. Prepared by the Veltin School, New York City.
- LAMMERS, MILDRED HELEN,.....*Group*, ———, 1913-14.  
 Minneapolis, Minn. Prepared by the High School, Heron Lake, Minn., and by Stanley Hall, Minneapolis.
- LAUTZ, RUTH ELLA,.....*Group*, ———, 1912-14.  
 Pekin, Ill. Prepared by the High School, Pekin, and by the Misses Shipley's School, Bryn Mawr, Pa.
- LEAN, ALICE RICHMOND,  
*Hearer in English, German, Philosophy, and Psychology*, 1913-14.  
 Abington, Mass. Prepared by the Public Schools of Abington, and by private tuition.
- LEE, ANNA CAROLINE,.....*Group, Latin and* ———, 1912-14.  
 Philadelphia. Prepared by the Girls' High School, Philadelphia, and by private tuition. City Scholar, 1912-14.
- LEE, HELEN,.....*Group, Latin and French*, 1909-14.  
 Philadelphia. Prepared by Milwaukee-Downer College.
- LEVINSON, DORA CLARA,.....*Group, Chemistry and Biology*, 1911-14.  
 Philadelphia. Prepared by the Girls' High School, Philadelphia. City Scholar, 1911-14.
- LEVY, RUTH JULIETTE,.....*Group*, ———, 1913-14.  
 Pittsburgh, Pa. Prepared by the High School, Pittsburgh.
- LITCHFIELD, VIRGINIA DE STEIGNER,  
*Group, French and History of Art*, 1913-14.  
 Brookline, Mass. Prepared by Miss Cummings's School, Boston, Mass., and by the Winsor School, Boston.
- LIVINGSTON, FRANCES ELIZABETH,  
*Group, Modern History and Economics and Politics*, 1910, 1910-14.  
 Lawrence, Long Island, N. Y. Prepared by St. Mary's Hall, Burlington, N. J., and by Miss Mary Jeffers and Miss Florence Peebles, Bryn Mawr, Pa.
- LOBDELL, MARY ARLEVILLE, *Group, Latin and Ancient History*, 1911-14.  
 Philadelphia. [Prepared by the Girls' High School, Philadelphia. ] City Scholar, 1911-14.

- LOER, MATHILDE HARRIET, *Group, French and Modern History*, 1913-14.  
Philadelphia. Prepared by the Friends' Central School, Philadelphia.
- LONDON, MARY PARKE, ..... *Group, Philosophy and Mathematics*, 1911-14.  
Birmingham, Ala. Prepared by the Margaret Allen School, Birmingham, and by the  
Misses Shipley's School, Bryn Mawr, Pa.
- LORD, ELIZABETH EVANS,  
*Group, Economics and Politics and Philosophy*, 1910-14.  
Plymouth, Mass. Prepared by Miss Wheeler's School, Providence, R. I.
- LOUDON, MARGARET LOUISE, ..... *Group, Greek and Italian*, 1912-14.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. City Scholar, 1912-14.
- MARON, MARGARET VAN VRANKEN, *Group, Biology and ———*, 1912-14.  
New York City. Prepared by the Brearley School, New York City.
- MACDONALD, DOROTHY, ..... *Group, ———*, 1913-14.  
Ardmore, Pa. Prepared by the Lower Merion High School, Ardmore. Second Pennsylvania and Southern States Matriculation Scholar and Frances Marion Simpson Scholar,  
1913-14.
- MACDONALD, FRANCES, ..... *Group, Latin and French*, 1911-14.  
Ardmore, Pa. Prepared by the Lower Merion High School, Ardmore. Lower Merion  
High School Scholar, 1911-14.
- DE MACEDO, VIRGINIA, ..... *Group, German and French*, 1912-14.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Special Scholar, 1913-14.
- MACELREE, HELEN, ..... *Group, Latin and English*, 1911-14.  
West Chester, Pa. Prepared by the High School, West Chester.
- MACELREE, MARGARET, ..... *Group, Latin and Mathematics*, 1910-14.  
West Chester, Pa. Prepared by the High School, West Chester, and by the Baldwin  
School, Bryn Mawr, Pa.
- MACGOWAN, VIOLA MAY, *Hearer by Courtesy in Modern History*, 1913-14.  
Bryn Mawr, Pa. Prepared by the Lower Merion High School, Ardmore. Temple Uni-  
versity, 1905-06. Assistant in the Business Manager's Office, Bryn Mawr College,  
1912-14.
- MACMASTER, AMELIA KELLOGG,  
*Group, Philosophy and ———*, 1912, 1913-14.  
Elizabeth, N. J. Prepared by the Battin High School, Elizabeth, and by private tuition.  
Kindergarten Teacher, Newark, N. J., 1905-11, 1912-13.
- MALONE, GERTRUDE EVELYN MARIE, ..... *Group, ———*, 1913-14.  
Washington, D. C. Prepared by the High School, Leavenworth, Kan., by Deerfield Town-  
ship High School, Highland Park, Ill., and by the Western High School, Washington.
- MARTIN, AMY LAWRENCE,  
*Group, Modern History and Economics and Politics*, 1911-14.  
Chicago, Ill. Prepared by the Kenwood Institute, Chicago, and by the University School  
for Girls, Chicago.
- MAYER, JULIA ISABEL, ..... *Group, ———*, 1913-14.  
York, Pa. Prepared by "Oldfields," Glencoe, Md., by St. Margaret's School, Waterbury,  
Conn., and by Miss Wright's School, Bryn Mawr, Pa.
- MCCAY, MILDRED BUCKNER, ..... *Group, ———*, 1912-14.  
Roland Park, Md. Prepared by the Bryn Mawr School, Baltimore, Md.
- MCCOLLIN, KATHARINE WILLIAMS,  
*Group, Economics and Politics and ———*, 1911-14.  
Philadelphia. Prepared by Miss Wright's School, Bryn Mawr, Pa.
- MCDONALD, CORNELIA,  
*Group, Economics and Politics and ———*, 1912-14.  
Louisville, Ky. Prepared by the Kentucky Home School, Louisville.



- McFADEN, NATALIE FRIEND, ..... *Group*, ———, 1913-14.  
Richmond, Va. Prepared by Miss Campbell's School, Richmond, and by the Randolph-Ellett School, Richmond.
- McFARLAND, HELEN JOSEPHINE, *Group, Chemistry and Biology*, 1911-14.  
Philadelphia. Prepared by the Friends' Preparative Meeting School of Germantown, Philadelphia. Woods Holl Scholar, 1913.
- McILVAINE, ROMAIN LE MOYNE, ..... *Group*, ———, 1913-14.  
Hubbard Woods, Ill. Prepared by the Girtton School, Winnetka, Ill., and by the Bryn Mawr School, Baltimore, Md.
- McKEEFREY, CHLOE SPEARMAN, ..... *Group*, ———, 1912-14.  
Leetonia, O. Prepared by the Baldwin School, Bryn Mawr, Pa.
- McMILLAN, GLADYS, ..... *Group*, ———, 1913-14.  
Pensacola, Fla. Prepared by the Classical School, Pensacola, by the Agnes Scott College, Decatur, Ga., and by the Misses Kirk's School, Bryn Mawr, Pa.
- McMILLAN, MARIE, ..... *Group*, ———, 1913-14.  
Pensacola, Fla. Prepared by the Classical School, Pensacola, by the Agnes Scott College, Decatur, Ga., and by the Misses Kirk's School, Bryn Mawr, Pa.
- MEEKER, MARJORIE, ..... *Group, German and Modern History*, 1911-14.  
Columbus, O. Prepared by the Columbus School for Girls.
- MILLER, ALICE CHAPMAN,  
*Group, Modern History and Economics and Politics*, 1910-14.  
Milwaukee, Wis. Prepared by Milwaukee-Downer College and by Rosemary Hall, Greenwich, Conn.
- MILNE, MARJORIE JOSEPHINE, ..... *Group, Greek and English*, 1913-14.  
Duluth, Minn. Prepared by the High School, Duluth, and by private tuition. First Western States Matriculation Scholar, 1913-14.
- MOORE, DOROTHEA MAY,  
*Group, Modern History and Economics and Politics*, 1911-14.  
Cambridge, Mass. Prepared by the Gilman School, Cambridge, and by the Misses May's School, Boston, Mass. First New England States Matriculation Scholar, 1911-14.
- MORGAN, MARY CHURCHMAN, *Group, French and Modern History*, 1911-14.  
Philadelphia. Prepared by the Friends' Central School, Philadelphia.
- MORSS, CONSTANCE, ..... *Group*, ———, 1913-14.  
Boston, Mass. Prepared by the Misses May's School, Boston.
- MOSES, GEORGETTE OMEGA, ..... *Group, French and* ———, 1912-14.  
Mt. Vernon, N. Y. Prepared by the High School, Mt. Vernon, and by private tuition.
- NATHANS, BEATRICE CORNELIA,  
*Group, English and Comparative Literature*, 1909-14.  
Philadelphia. Prepared by Miss Keyser's School, Philadelphia, by Miss Gordon's School, Philadelphia, and by private tuition.
- NEWMAN, RUTH,  
*Group, Modern History and Economics and Politics*, 1911-14.  
Bridge Hampton, N. Y. Prepared by the Public Schools of Bridge Hampton and Southampton, N. Y.
- NICHOLS, SUSAN FARLEY,  
*Group, Philosophy and Psychology and* ———, 1911-14.  
New York City. Prepared by the Brearley School, New York City.
- NILES, JOSEPHINE,  
*Group, Modern History and Economics and Politics*, 1910-14.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- NOYES, EMILY GIFFORD, ..... *Group, Latin and French*, 1911-14.  
Providence, R. I. Prepared by Miss Wheeler's School, Providence.



- OPPENHEIMER, ELLA, ..... *Group, Physics and Chemistry*, 1910-14.  
Washington, D. C. Prepared by the Central High School, Washington, and by private tuition.
- ORR, HELVETIA, ..... *Group*, ———, 1912-14.  
Pelham Manor, N. Y. Prepared by Miss Porter's School, Farmington, Conn.
- O'SHEA, MONICA BARRY, ..... *Group*, ———, 1913-14.  
Brookline, Mass. Prepared by the High School, Brookline, and by Miss Cummings's School, Boston, Mass.
- OTIS, LOUISE, ..... *Group*, ———, 1913-14.  
Winnetka, Ill. Prepared by the Girtton School, Winnetka. Northern University, 1912-13.
- PACKARD, DOROTHY, ..... *Group*, ———, 1912-14.  
Chicago, Ill. Prepared by the Francis W. Parker School, Chicago. University of Chicago, 1911-12.
- PAINE, JANE HUTCHINSON,  
..... *Group, Economics and Politics and Psychology*, 1912-14.  
Cincinnati, O. Prepared by the Bartholomew-Clifton School, Cincinnati, by the Wolcott School, Denver, Colo., by the Girls' Collegiate School, Los Angeles, Cal., and by the Kent Place School, Summit, N. J.
- PAULING, MARIE JANET, ..... *Group*, ———, 1913-14.  
Chicago, Ill. Prepared by the Latin School, Chicago.
- PERKINS, DAGMAR,  
..... *Group, Philosophy and Psychology and* ———, 1911-14.  
New York City. Prepared by the Veltin School, New York City.
- PLATTER, MARY HUNTER, ..... *Group*, ———, 1913-14.  
Dallas, Tex. Prepared by Cowart Hall, Dallas, and by the Misses Kirk's School, Bryn Mawr, Pa.
- POND, CLARA PENNIMAN, *Group, Chemistry and Biology*, 1909-12, 1913-14.  
State College, Pa. Pennsylvania State College, 1907-09. Travelling in Europe, 1912-13.
- PORTER, HELEN LOUISE KNICKERBACKER,  
..... *Group, Italian and Spanish and History of Art*, 1910-14.  
Montclair, N. J. Prepared by the Kimberley School, Montclair.
- PRICE, ANNA EDITH,  
..... *Hearer by Courtesy in Ancient History, Economics, and History of Art*,  
1913-14.  
Whitford, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa., and by private tuition. Library Assistant, 1913-14.
- PRITCHETT, IDA WILLIAMS,  
..... *Group, Modern History and Economics and Politics*, 1910-14.  
New York City. Prepared by Miss Low's School, Stamford, Conn., and by the Brearley School, New York City.
- PUGH, ESTHER CLEMENT,  
..... *Group, Modern History and Economics and Politics*, 1911-14.  
Overbrook, Philadelphia. Prepared by the Agnes Irwin School, Philadelphia, and by Rosemary Hall, Greenwich, Conn.
- RAND, ELIZABETH CARRINGTON, . . . . . *Group, Latin and* ———, 1912-14.  
Greenwich, Conn. Prepared by Rosemary Hall, Greenwich.
- RANDALL, EVELYN BARTON, ..... *Group*, ———, 1913-14.  
Catonsville, Md. Prepared by St. Timothy's School, Catonsville.
- RANLET, JOSEPHINE, ..... *Group*, ———, 1913-14.  
Boston, Mass. Prepared by private tuition in Germany and Switzerland, and by the Winsor School, Boston.

- RAPALLO, EDNA, . . . . . *Group, Italian and Comparative Literature*, 1911-14.  
New York City. Prepared by the Brearley School, New York City.
- RHOADS, MARIAN, . . . . . *Group*, ———, 1913-14.  
Reading, Pa. Prepared by the High School, Reading.
- RICHARDS, MYRA STEPHANIE, . . . . . *Group, Latin and German*, 1911-14.  
South Norwalk, Conn. Prepared by the Normal College of the City of New York, and by the High School, Norwalk, Conn.
- RICHARDS, RUTH OLIVE, . . . . . *Group*, ———, 1913-14.  
Bridgeport, N. J. Prepared by the High School, Woodbury, N. J., and by private tuition.
- RIEGEL, HELEN, . . . . . *Group, French and Modern History*, 1912-14.  
Riegelsville, Pa. Prepared by the Misses Rayson's School, New York City.
- ROBERTS, ANNA WILKINS, . . . . . *Group, German and French*, 1911-14.  
Moorestown, N. J. Prepared by the Friends' Academy, Moorestown, and by the West-town Boarding School, Westtown, Pa. Foundation Scholar, 1911-14.
- ROBERTSON, HELEN CALDER, . . . . . *Group*, ———, 1912-14.  
Providence, R. I. Prepared by Miss Wheeler's School, Providence. Second (equal) Bryn Mawr Matriculation Scholar for the New England States, 1912-13.
- ROBINS, DOROTHEA, . . . . . *Group, Latin and French*, 1903-05, 1910-14.  
Philadelphia. Prepared by the Misses Shipley's School, and by private tuition.
- ROBINSON, ETHEL FERN, . . . . . *Group, Latin and French*, 1911-14.  
Detroit, Mich. Prepared by the Central High School, Detroit, and by the Liggett School, Detroit.
- ROCKWELL, CLEOS LEPHA, *Group, French and Modern History*, 1910-14.  
Kenilworth, Ill. Prepared by the High School, West Chester, Pa., and by the Baldwin School, Bryn Mawr, Pa.
- ROHRER, MIRIAM, . . . . . *Group, French and* ———, 1911-14.  
Schenectady, N. Y. Prepared by the High School, Schenectady.
- ROSS, JOANNA PUGH, . . . . . *Group*, ———, 1912-14.  
Norristown, Pa. Prepared by the Friends' Central School, Philadelphia.
- RUSSELL, EMILY CRANE, . . . . . *Group*, ———, 1913-14.  
Lake Forest, Ill. Prepared by the Girton School, Winnetka, Ill.
- RUSSELL, MARGARET, . . . . . *Group*, ———, 1912-14.  
Plymouth, Mass. Prepared by the High School, Plymouth, and by Milton Academy, Milton, Mass.
- SAMPSON, MERLE D'AUBIGNÉ, . . . . . *Group, Latin and English*, 1911-14.  
Charlottesville, Va. Prepared by the Baldwin School, Bryn Mawr, Pa. James E. Rhoads Sophomore Scholar, 1912-13.
- SANDISON, LOIS ESTABROOK, . . . . . *Group, Latin and* ———, 1912-14.  
Terre Haute, Ind. Prepared by the Indiana Normal High School, Terre Haute, by the Girls' High School, Oxford, England, and by the Willard School, Berlin, Germany. First Pennsylvania and the Southern States Matriculation Scholar, 1912-13.
- SARGENT, CECILIA VENNARD, . . . . . *Group, Greek and Latin*, 1911-14.  
Wenonah, N. J. Prepared by the High School, Woodbury, N. J.
- SATO, RYU, . . . . . *Group*, ———, 1913-14.  
Tokyo, Japan. Prepared by the Misses Shipley's School, Bryn Mawr, Pa. Foundation Scholar and First Pennsylvania and Southern States Matriculation Scholar, 1913-14.
- SATTLER, JEAN, . . . . . *Group, English and Comparative Literature*, 1911-14.  
Madisonville, O. Prepared by the College Preparatory School, Cincinnati, O.
- SAVAGE, WILLIE BOND, . . . . . *Group*, ———, 1912-14.  
Warren, Ark. Prepared by the Warren Training School, Warren, and by the Misses Kirk's School, Bryn Mawr, Pa.

- SCATTERGOOD, MARGERY, . . . *Group, Modern History and ———*, 1913-14.  
Philadelphia. Prepared by the Westtown Boarding School, Westtown, Pa., and by the Misses Kirk's School, Bryn Mawr, Pa.
- SCRIVEN, KATHERINE, . . . *Group, French and Italian*, 1912-14.  
Washington, D. C. Prepared by the Villa Béatrix, Geneva, Switzerland, and by the Baldwin School, Bryn Mawr, Pa.
- SCUDDER, ATALA THAYER, . . . *Group, Chemistry and Biology*, 1911-14.  
Brooklyn, New York City. Prepared by the Veltin School, New York City.
- SEARS, ANNA, . . . *Group, Latin and French*, 1912-14.  
Framingham, Mass. Prepared by the High School, Framingham, by Rosemary Hall, Greenwich, Conn., and by private tuition. First New England States Matriculation Scholar, 1912-13.
- SEARS, MARGARET,  
*Group, Modern History and Economics and Politics*, 1910-14.  
Framingham, Mass. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.
- SEELYE, ELIZABETH WHITACRE, . . . *Group, ———*, 1913-14.  
Willoughby, O. Prepared by the High School, Tarrytown, N. Y., and by the Laurel School, Cleveland, O.
- SERGEANT, KATHARINE, . . . *Group, English and Philosophy*, 1910-14.  
Brookline, Mass. Prepared by the Winsor School, Boston, Mass.
- SHAW, CAROLINE TOMPKINS, . . . *Group, ———*, 1913-14.  
Sewickley, Pa. Prepared by the Thurston-Gleim School, Pittsburgh, Pa.
- SHAW, EVELYN WELLS, *Group, Modern History and History of Art*, 1910-14.  
Lake Forest, Ill. Prepared by the University School for Girls, Chicago.
- SHAW, HELEN HASTINGS,  
*Group, English and Comparative Literature*, 1910-14.  
Brookline, Mass. Prepared by Miss May's School, Boston, Mass.
- SHEAFER, KATHERINE ELIZABETH, *Group, Chemistry and Biology*, 1911-14.  
Pottsville, Pa. Prepared by the High School, Pottsville, and by private tuition.
- SHELDON, HARRIET SHELDON, . . . *Group, Latin and French*, 1910-14.  
Columbus, O. Prepared by the Columbus School for Girls.
- SHERMAN, ANNIE HARDIN, . . . *Group, ———*, 1913-14.  
Chicago, Ill. Prepared by the Bishop's School, San Diego, Cal., and by the Latin School, Chicago.
- SHIPLEY, AGNES DOROTHY, . . . *Group, ———*, 1913-14.  
Philadelphia. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.
- SHIPPEN, KATHARINE BINNEY,  
*Group, Modern History and Economics and Politics*, 1910-14.  
Hoboken, N. J. Prepared by the Hoboken Academy.
- SIPPEL, DOROTHY, . . . *Group, Greek and ———*, 1912-14.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- SKERRETT, DOROTHY WENTWORTH,  
*Group, Modern History and Economics and Politics*, 1910-14.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Second Matriculation Scholar for Pennsylvania and the Southern States, 1910-11; City Scholar, 1910-14; Maria Hopper Sophomore Scholar, 1911-12; Mary E. Stevens Junior Scholar, 1912-13.
- SMITH, AGNES PICKETT, . . . *Group, Mathematics and Physics*, 1912-14.  
Winchester, Va. Prepared by Stuart Hall, Staunton, Va., and by private tuition.
- SMITH, CLARISSA, . . . *Group, Chemistry and Biology*, 1911-14.  
West Medford, Mass. Prepared by the Misses Kirk's School, Bryn Mawr, Pa.



- SMITH, ELIZABETH BALDWIN, . . . . . *Group, Latin and English*, 1911-14.  
Cincinnati, O. Prepared by Miss Wright's School, Bryn Mawr, Pa.
- SMITH, ISABEL, . . . . . *Group, Chemistry and Geology*, 1911-14.  
Los Angeles, Cal. Prepared by the Polytechnic High School, Los Angeles, and by the Misses Kirk's School, Bryn Mawr, Pa.
- SMITH, MARY CHRISTINE, . . . *Group, French and Modern History*, 1910-14.  
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia.
- SMITH, SARA ROZET MATHER, . . . . . *Group, English and French*, 1911-14.  
Chicago, Ill. Prepared by Miss Madeira's School, Washington, D. C., and by St. Timothy's School, Catonsville, Md.
- SMITH, THALIA HOWARD, . . . . . *Group, ———*, 1913-14.  
New York City. Prepared by the Hawthorne School, New York City. First New York, New Jersey and Delaware Matriculation Scholar, 1912-13.
- SNODGRASS, KATHARINE, . . . . . *Group, English and ———*, 1911-14.  
Indianapolis, Ind. Prepared by the Shortridge High School, Indianapolis. Maria Hopper Sophomore Scholar, 1912-13; Anna Hallowell Memorial Scholar, 1913-14.
- SOUTHARD, MARJORIE WRIGHT,  
*Group, Modern History and Economics and Politics*, 1910-14.  
New Brighton, Staten Island, N. Y. Prepared by the St. Agnes School, Albany, N. Y.
- SPENCE, ANGELEINE BENEDICTA,  
*Group, German and Modern History*, 1911-14.  
Rockland, Mass. Prepared by the High School, Rockland.
- SPENCE, MARY CASHMAN, . . . . . *Group, ———*, 1913-14.  
Rockland, Mass. Prepared by the High School, Rockland, and by private tuition.
- STARK, ELIZABETH KLINE, . . . . . *Group, ———*, 1912-14.  
Rochester, N. Y. Prepared by the DeLancey School, Geneva, N. Y., by Miss Hake's School, Rochester, and by the Columbia Preparatory School, Rochester.
- STELTZER, ELSIE, . . . . . *Group, Latin and German*, 1911-14.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. City Scholar, 1911-14.
- STUART, LYDIA MORRIS, . . . . . *Group, ———*, 1913-14.  
Roland Park, Md. Prepared by the Bryn Mawr School, Baltimore, Md.
- STEVENS, CAROLINE, . . . . . *Group, ———*, 1913-14.  
North Andover, Mass. Prepared by the Winsor School, Boston, Mass.
- STOKLEY, DOROTHY STULB, . . . . . *Group, Spanish and ———*, 1912-14.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Minnie Murdock Kendrick Memorial Scholar, 1912-13.
- STRAUSS, EMILIE THERESE, . . . . . *Group, ———*, 1912-14.  
Wilkes Barre, Pa. Prepared by the Wilkes Barre Institute.
- STREETT, KATHERINE MAYNADIER,  
*Group, Modern History and Economics and Politics*, 1911-14.  
Cumberland, Md. Prepared by the Western High School, Baltimore, and by Allegany County Academy, Cumberland, Md.
- SUCKLEY, MARGARET LYNCH, . . . . . *Group, ———*, 1912-14.  
Rhinebeck, N. Y. Prepared by Miss Low's School, Stamford, Conn., and by Miss Bang's, and Miss Whiton's School, Riverdale, N. Y.
- SUTCH, CLEORA,  
*Group, Modern History and Economics and Politics*, 1911-14.  
Germantown, Philadelphia. Prepared by the Girls' High School, Philadelphia. Charles E. Ellis Scholar, 1911-14.
- TABER, CARLOTTA LOWELL, *Group, German and Modern History*, 1911-14.  
Worcester, Mass. Prepared by Rosemary Hall, Greenwich, Conn., and by private tuition.



- TABER, MARY HATHAWAY, *Group, French, Italian and Spanish*, 1911-14.  
Brooklyn, New York City. Prepared by the Girls' High School, Brooklyn.
- TAFT, HELEN HERRON,  
*Group, History and Economics and Politics*, 1908-10, 1913-14.  
Cincinnati, O. Prepared by the National Cathedral School, Washington, and by the Baldwin School, Bryn Mawr, Pa. First Matriculation Scholar for Pennsylvania and the Southern States, 1908-09.
- TAPPAN, JULIA BUCHANAN,  
*Group, Modern History and Economics and Politics*, 1910-14.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- TAPPAN, MARJORIE,  
*Group, Mathematics and Philosophy and Psychology*, 1911-14.  
Highwood, R. I. Prepared by the Dwight School, Englewood, N. J.
- TATTERSFIELD, OLGA, ..... *Group, ———*, 1910-14.  
Philadelphia. Prepared by Miss Hills's School, Philadelphia, and by the Stevens School, Germantown, Philadelphia.
- TAYLOR, RACHEL, ..... *Group, ———*, 1913-14.  
Rochester, N. Y. Prepared by the Columbia School, Rochester and by Rosemary Hall, Greenwich, Conn.
- TELLER, FANNIE ESPEN, ..... *Group, ———*, 1910-14.  
Philadelphia. Prepared by the Friends' Central School, Philadelphia.
- THOMPSON, LUCILLE, ..... *Group, Latin and German*, 1910-14.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of the George W. Fetter Memorial Scholarship, 1910-14.
- THOMPSON, MARGARET, ..... *Group, ———*, 1913-14.  
Lake Forest, Ill. Prepared by Rosemary Hall, Greenwich, Conn.
- THOMSON, ANNIS EVELEEN, ..... *Group, Chemistry and Biology*, 1912-14.  
Yonkers, N. Y. Prepared by the High School, Yonkers, and by private tuition.
- THOMSON, MARY MARJORY,  
*Group, Economics and Politics and Philosophy and Psychology*, 1911-14.  
Yonkers, N. Y. Prepared by the High School, Yonkers.
- TINKER, ELIZABETH HELEN, ..... *Group, Latin and French*, 1912-14.  
Cumberland, Md. Prepared by the Allegany County Academy, Cumberland, Md.
- TINKER, RUTH, ..... *Group, French and German*, 1911-14.  
Stamford, Conn. Prepared by Miss Low and Miss Heywood's School, Stamford.
- TURNER, DOROTHY, ..... *Group, ———*, 1912-14.  
Philadelphia. Prepared by the Girls' High School, Philadelphia, and by private tuition.
- TUTTLE, MARION, ..... *Group, ———*, 1913-14.  
Rockaway, N. J. Prepared by the High School, Rockaway, and by private tuition.
- TUTTLE, RUTH ALDEN,  
*Group, Modern History and Economics and Politics*, 1911-14.  
Canandaigua, N. Y. Prepared by the Gordon-Winston School, New York City.
- TYSON, HELEN EDITH, ..... *Group, German and ———*, 1912-14.  
New York City. Prepared by the Hawthorne School, New York City.
- TYSON, MARJORIE IDALENE,  
*Group, German and Modern History*, 1911-14.  
New York City. Prepared by the Hawthorne School, New York City.
- ULMER, ELDORA ESTELLE, ..... *Group, ———*, 1913-14.  
Pottsville, Pa. Prepared by the Misses Kirk's School, Bryn Mawr, Pa., and by the Baldwin School, Bryn Mawr.

VAN HORN, ALICE ELLISON,.....*Group, French and Spanish*, 1912-14.  
Searsdale, N. Y. Prepared by the Lockwood Collegiate School, Searsdale.

VAN HORN, EMILY ELLISON, *Group, French and Modern History*, 1911-14.  
Searsdale, N. Y. Prepared by the Lockwood Collegiate School, Searsdale. Second  
(equal) Matriculation Scholar for New York, New Jersey and Delaware, 1911-12.

WAGNER, EMILIE OBRIÉ,.....*Group, Spanish and ———*, 1912-14.  
West Chester, Pa. Prepared by the Misses Kirk's School, Bryn Mawr, Pa.

WAGNER, LOUISE DOROTHY, *Group, German and Modern History*, 1913-14.  
Chicago, Ill. Prepared by the University School for Girls, Chicago.

WAHL, MARGARET LYDIA,.....*Group, German and French*, 1913-14.  
Milwaukee, Wis. Prepared by Milwaukee-Downer Seminary, and by the High School,  
Madison, Wis. University of Wisconsin, 1911-12.

WALLERSTEIN, RUTH COONS,.....*Group, Greek and Latin*, 1910-14.  
Philadelphia. Prepared by the Stevens School, Germantown, Philadelphia.

WARD, DOROTHY DE FERMAIN,.....*Group, German and French*, 1913-14.  
New York City. Prepared by Miss Pape's School, Savannah, Ga., by Oldfields, Glencoe,  
Md., and by the Baldwin School, Bryn Mawr, Pa.

WARD, MIRIAM ELSIE,.....*Group, Chemistry and Geology*, 1910-14.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia  
Girls' High School Scholar, 1910-14.

WARREN, MARY EDWINA,  
*Group, Modern History and Economics and Politics*, 1910-14.  
Chestnut Hill, Mass. Prepared by the Misses May's School, Boston, Mass.

WASHBURN, ELIZABETH POPE,.....*Group, ———*, 1912-14.  
Minneapolis, Minn. Prepared by Stanley Hall, Minneapolis.

WEAVER, ELIZABETH WALDRON NORMAN,  
*Group, Greek and ———*, 1911-14.  
Newport, R. I. Prepared by the Rogers High School, Newport, and by the Baldwin  
School, Bryn Mawr, Pa.

WEBSTER, MALLORY WHITING,.....*Group, French and ———*, 1911-14.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

WERNER, ADELINE AGNES,.....*Group, ———*, 1912-14.  
Columbus, O. Prepared by the Columbus School for Girls, Columbus. First Matricula-  
tion Scholar for the Western States, 1912-13.

WESTHEIMER, CHARLOTTE,.....*Group, French and ———*, 1912-14.  
Cincinnati, O. Prepared by the University School, Cincinnati.

WESTLING, CATHERINE LILLIE,.....*Group, English and German*, 1910-14.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Special Scholar, 1913-14.

WESTLING, CHARLOTTE H.,.....*Group, ———*, 1913-14.  
Philadelphia. Prepared by the Girls' High School, Philadelphia.

WESTON, DOROTHY VIVIAN,  
*Group, Modern History and Economics and Politics*, 1910-14.  
Weston's Mills, N. Y. Prepared by the Baldwin School, Bryn Mawr, Pa.

WHITE, ANNE LINDSAY,  
*Group, Modern History and Economics and Politics*, 1910-14.  
Evanston, Ill. Prepared by the Township High School, Evanston. Northwestern Uni-  
versity, 1909-10.

WILCOX, CONSTANCE HUNTINGTON GRENELLE,..*Group, ———*, 1913-14.  
Madison, Conn. Prepared by the Ethical Culture School, New York City, and by the  
Velton School, New York City.

- WILDMAN, ANNA SNOWDEN,.....*Group*, ———, 1913-14.  
Leesburg, Va. Prepared by the Thurston-Gleim School, Pittsburgh, Pa.
- WILLARD, MILDRED MCCREARY,.....*Group*, ———, 1913-14.  
Merion, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- WILLETT, MARTHA WINSLOW,  
*Group, Modern History and History of Art*, 1913-14.  
Norwood, Mass. Prepared by the High School, Norwood, and by the Winsor School,  
Boston, Mass.
- WILLIAMS, MARGARET SANDERSON,  
*Group, Modern History and Economics and Politics*, 1910-14.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- WILSON, EDITH STEDMAN,.....*Group, Latin and* ———, 1912-14.  
Chapel Hill, N. C. Prepared by the Bryn Mawr School, Baltimore, Md.
- WILSON, ELEANORA STANSBURY,.....*Group*, ———, 1913-14.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- WORLEY, MARY CELINDA,.....*Group*, ———, 1913-14.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- WORTHINGTON, LILLA,.....*Group, French and* ———, 1912-14.  
Birmingham, Ala. Prepared by the Fairmount School, Monteagle, Tenn., and by private  
tuition.
- WRIGHT, ELIZABETH,  
*Group, Economics and Politics and Philosophy*, 1913-14.  
New York City. Prepared by the Horace Mann School, New York City, and by private  
study and tuition.
- YOST, MARGARET JANE,.....*Group, French and History of Art*, 1911-14.  
Braddock, Pa. Prepared by the Thurston-Gleim School, Pittsburgh, Pa., and by private  
tuition.
- ZECKWER, ISOLDA THÉRÈSE,.....*Group, Chemistry and Biology*, 1911-14.  
Philadelphia. Prepared by the Friends' Central School, Philadelphia.
- ZIMMERMAN, HELEN BURR,.....*Group*, ———, 1913-14.  
Oberlys Mill. Prepared by the Seiler School, Harrisburg, and by private study.

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#### SUMMARY OF STUDENTS.

|                           |       |
|---------------------------|-------|
| Class of 1914.....        | 82    |
| Class of 1915.....        | 97    |
| Class of 1916.....        | 89    |
| Class of 1917.....        | 113   |
| Hearers.....              | 6     |
|                           | — 387 |
| Resident Fellows.....     | 13    |
| Resident Graduates.....   | 67    |
|                           | — 80  |
| Non-Resident Fellows..... | 5     |
|                           | —     |
| Total.....                | 472   |

## BRYN MAWR COLLEGE.

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BRYN MAWR COLLEGE was founded by Dr. Joseph W. Taylor, of Burlington, New Jersey, who died January 18th, 1880. By his will he left the greater portion of his estate for the purpose of establishing and maintaining an institution of advanced learning for women. The college is situated in the suburbs of Philadelphia, at Bryn Mawr, Pennsylvania, five miles to the west of the city. The site was purchased by the founder on account of its healthfulness and beauty, and the college buildings were begun during his lifetime. In 1880, the year of his death, the college was incorporated by the authority of the State of Pennsylvania, and invested with power to confer degrees. A circular of information was issued by the trustees in 1883. A president and a dean of the faculty were elected in the spring of 1884, and during the remainder of the year plans were matured and appointments made in the faculty. The courtesy of the presiding officers and instructors of existing universities and colleges facilitated an acquaintance with the prevailing college curriculum, and the domestic organisation of the woman's colleges, Vassar, Smith, and Wellesley, received careful consideration. To the Johns Hopkins University acknowledgment is especially due, since from it has been borrowed the system of major and minor electives in fixed combination to which Bryn Mawr College first gave the name of the Group System. In the spring of 1885 the first catalogue was issued, and the college was opened for instruction in the autumn of 1885.

*Introductory  
Statement.*

Three classes of persons are admitted to the lectures and class work of the college—graduate students, undergraduate students, and hearers.

*Admission.*

Graduate students must have presented a diploma from some college of acknowledged standing. They may pursue any courses offered by the college for which their previous training has fitted them; but they must satisfy the several instructors of

*Graduate  
Students.*



their ability to profit by the courses they desire to follow, and may be required to pursue certain introductory or auxiliary studies before they are admitted to the advanced or purely graduate courses.\* They are, moreover, entitled to personal guidance and direction, supervision of their general reading and furtherance of their investigations, from the instructors, and their needs are considered in the arrangement of new courses of lectures.

***Fellows  
and  
Scholars.***

The most distinguished place among the graduate students is held by the fellows and graduate scholars, who must reside in the college during the academic year. Four European travelling fellowships, fifteen resident fellowships and thirty-six graduate scholarships are awarded annually. The conditions of the award and the duties of holders of fellowships and scholarships are stated on pages 68 to 71.

***Under-  
graduate  
Students.***

Undergraduate students must have fulfilled the requirements for matriculation, and may enter the college at any age at which those requirements have been fulfilled. The studies leading to the degree of Bachelor of Arts are stated on pages 57 to 65.

Those students who do not wish to study for a degree are permitted to pursue any undergraduate courses offered by the College for which their previous training has fitted them; they will, in the event of a change of plan, be credited with such of their studies as may have coincided with the studies leading to a degree. Attention is called to the fact that the Group System enables all candidates for a degree to specialise in two or more subjects.

***Hearers.***

Hearers are excused from passing the matriculation examination; but they are strictly distinguished from matriculated students, and are entitled to reside in the college only when by so doing they exclude no matriculated student, and when the courses pursued by them are equivalent in number to those ordinarily pursued in each year by candidates for a degree. They must be women of at least twenty-five years of age, and

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\* For the convenience of graduate students the courses offered in the graduate departments of the college are reprinted from this in a separate part of the calendar, Part 2, Graduate Courses, which may be obtained free of charge by applying to the Secretary of the College.

must furnish proof that they have at some time pursued the studies included in the matriculation examination. They must satisfy the several instructors that they can profit by the courses that they desire to follow, and their admission to recitations, examinations, and laboratory exercises depends on the express consent of the instructor in charge. Hearers differ, moreover, from matriculated students in that they are not recognised by the College, and may receive only such certificates of collegiate study as may be given them by the several instructors. They may not receive degrees.

The examination for matriculation must be taken by all who wish to pursue their studies in the undergraduate department of the college, either as candidates for a degree or as students pursuing special courses, with the exception of such applicants for admission as present a certificate of honorable dismissal from some college or university of acknowledged standing.\*

*Examination for Matriculation.*

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\* The examinations of the College Entrance Examination Board which are designated by Bryn Mawr College as equivalent to the matriculation examinations of the college will be accepted, subject to the same conditions which govern the Bryn Mawr College examinations.

The passing mark for both sets of examinations is the same, sixty per cent.

The matriculation examination may not be taken in more than two divisions; but, if this rule be observed, candidates may divide the divisions as they please between the examination of Bryn Mawr College and of the College Entrance Examination Board; both divisions may be taken in the Bryn Mawr College examination, or in the examination of the College Entrance Examination Board; or one division may be taken in the Bryn Mawr College examination, and the other in the examination of the College Entrance Examination Board.

Not more than one calendar year and the summer vacation may elapse between the two divisions of the examination for admission. There is no other restriction as to time; for example, candidates may present themselves for the first division of their examination in the spring examination of Bryn Mawr College, held during the last week in May and the first week in June, and for the second division at the examination held by the College Entrance Examination Board in the fourth week of June of the same year; or if they fail in the spring examination of Bryn Mawr College they may try the same subjects again in the examination of the College Entrance Examination Board three weeks later.

In case a sufficient number of sections to secure admission is not passed in two divisions of the examination the sections taken in one division must be cancelled, and all the sections offered in the cancelled division (except those sections which have been also offered in the division which is to be counted), must be offered again, together with a sufficient number of the sections in which the candidate has been conditioned to ensure her passing in the required number of sections.

Candidates who have passed the fifteen sections necessary for admission may remove conditions by passing the corresponding examinations in the Bryn Mawr College or the College Entrance Examination Board examination; in the case of a condition in French or German, however, the entire examination in the language must be taken, unless the condition is in *grammar only*, in which case it may be removed by passing the Bryn Mawr

The examination for matriculation is open to those also who wish to take it as a test of proficiency in elementary studies, but have no intention of entering the college. Certificates are given to those who are successful in passing the examination.\*†

Blank forms of application for admission may be obtained from the Secretary of the College.

Examinations are held annually in the spring, autumn, and winter at Bryn Mawr College, and in the spring of the year

College examination in grammar; and in the case of a condition in English Composition incurred in the Bryn Mawr College examination the entire examination in English, *a* and *b* must be passed in order to remove the condition by passing the College Entrance Examination Board's examination.

Candidates taking the College Entrance Examination Board's examination will not be considered in the awarding of the four Bryn Mawr competitive entrance examination scholarships, unless the final division of the examination be taken in the spring Bryn Mawr College examination. Candidates are not eligible when the finals are taken in the autumn examination.

TABLE OF EQUIVALENT EXAMINATIONS.

| COLLEGE ENTRANCE EXAMINATION<br>BOARD EXAMINATION.                          |   | BRYN MAWR COLLEGE<br>EXAMINATION.                        |                  |
|---|---|--|------------------|
| <i>Subjects.</i>  |   | <i>Subjects.</i>   | <i>Sections.</i> |
| Mathematics: Algebra, <i>a i</i> , and <i>a ii</i> ,<br>taken together..... | = | Algebra.....   | 2                |
| Mathematics: <i>c</i> ,.....  | = | Plane Geometry.....                                      | 2                |
| New requirements, Latin: 1 and 6.....                                       | = | Latin Grammar and Prose Composi-<br>tion.....            | 1                |
| Old requirements, Latin: <i>p</i> ,.....                                    | = | Latin Prose Authors.....                                 | 2                |
| Old requirements, Latin: <i>q</i> ,.....                                    | = | Latin Poetry.....  | 1                |
| English: <i>b</i> ,.....  | = | English Grammar.....                                     | 1                |
| English: <i>a</i> ,.....  | = | English Composition.....                                 | 3                |
| History: <i>a</i> or <i>c</i> or <i>d</i> ,.....                            | = | Greek and Roman, or English, or<br>American History..... | 1                |
| Physics, or Chemistry, or Botany, or<br>Geography, or Zoology:.....         | = | Science.....   | 1                |
| Greek: <i>f</i> ,.....  | = | Greek Grammar and Composition....                        | 1                |
| Greek: <i>g</i> ,.....  | = | Greek Prose Authors.....                                 | 1                |
| Greek: <i>h</i> ,.....  | = | Greek Poetry.....  | 1                |
| †French: <i>a</i> , and combined examination<br>( <i>bc</i> ),.....         | = | †French Grammar and Translation... 3                     |                  |
| †German: <i>a</i> , and combined examination<br>( <i>bc</i> ),.....         | = | †German Grammar and Translation... 3                     |                  |

*Examinations for Advanced Standing.*

|                              |   |                 |
|------------------------------|---|-----------------|
| Mathematics: <i>d</i> ,..... | = | Solid Geometry. |
| Mathematics: <i>e</i> ,..... | = | Trigonometry.   |
| No Equivalent.....           | = | Minor Latin.    |

\* Printed sets of matriculation papers may be obtained for thirty cents from the Secretary of the College.

† For the four competitive entrance scholarships awarded annually see page 73.

‡ The grammar and translation examinations must be taken in the same division.



may be held at other places; they are always held in the spring in Baltimore, Boston, Chicago, New York, Pittsburgh, Portland (Oregon), St. Louis, Richmond, and London (England). Candidates taking examinations at the above mentioned regular examination centres are charged a fee of five dollars for the whole or any part of the examination.

Examinations may also be held by request at other places, but in this case the candidates must defray the whole expense of the examination, the minimum fee being five dollars. In the past ten years examinations have been held by request at the following places:

California: Berkeley, Bonita, Los Angeles, Pasadena, San Francisco, Santa Barbara; Colorado: Denver; Connecticut: Greenwich, Washington, Waterbury; Georgia: Athens, Savannah; Indiana: Fort Wayne, Indianapolis, Terre Haute; Iowa: Dubuque; Kentucky: Louisville; Maryland: Catonsville, Cumberland; Massachusetts: Cambridge, Fall River; Michigan: Detroit; Minnesota: Minneapolis; Missouri: St. Louis; Montana: Helena; Nebraska: Omaha; New Jersey: Princeton, Trenton; New York: Binghamton, Buffalo, New Rochelle, Rochester, Rye, Utica; North Carolina: Biltmore; Ohio: Cincinnati, Cleveland, Columbus; Pennsylvania: Bellefonte, Carlisle, Harrisburg, Johnstown, Lititz, Pittsburgh, Scranton, Wilkes Barre, York; Rhode Island: Providence; Tennessee: Memphis; Virginia: Richmond; Wisconsin: Fond du Lac, Madison, Milwaukee; and Washington, District of Columbia; France: Paris; Germany: Berlin, Munich; Asia Minor: Tarsus.

Candidates who intend to present themselves for examination at Bryn Mawr College must apply to the Secretary of the College at least two weeks before the date set for the beginning of the examinations and the application should be made on a form to be obtained from the Secretary of the College, and must be accompanied by the fee of five dollars charged for each division of the examination. Candidates who do not apply *two weeks* before the date of the beginning of the examinations will be charged an additional fee of five dollars. Candidates intending to take examinations elsewhere than at Bryn Mawr College must apply to the Secretary of the College at least *six weeks* before the



date set for the beginning of the examinations. Candidates who fail to do this will be charged a fee of five dollars in addition to the fee charged for the examination.

*Tabular Statement.*—In order to obtain a certificate of admission to Bryn Mawr College the candidate must be examined in *all*\* the following subjects, counted as equivalent to twenty sections, must take the examination in not more than two divisions, and must pass not fewer than four sections in the first division and not fewer than fifteen sections in the two divisions. No candidate will be admitted to Bryn Mawr College if conditioned in more than five sections.

| <i>Subjects.</i>                         | <i>Sections.</i> |   |
|--|------------------|---|
| Algebra.....                             | 2                |   |
| Plane Geometry.....                      | 2                |   |
| Latin Grammar and Prose Composition..... | 1                |   |
| Latin Prose Authors.....                 | 2                |   |
| Latin Poetry.....                        | 1                |   |
| English Grammar.....                     | 1                |   |
| English Composition.....                 | 3                |   |
| History.....                             | 1                |   |
| Science.....                             | 1                |   |
| Greek Grammar and Prose Composition..... | 1                |   |
| Greek Prose Authors.....                 | 1                |   |
| Greek Poetry.....                        | 1                |   |
| †German Grammar and Translation.....     | 3                |   |
| †French Grammar and Translation.....     | 3                |   |
| Two of these three languages..           |                  | 6 |

20

The number of sections allotted to each subject indicates approximately the time which should be devoted to preparation for that subject. Thus if, for example, the candidate studies five subjects in each year during the last four years of preparation for college, then Mathematics, Latin, and English should be studied for all four years since each counts as four sections of the examination; History and Science should each be studied for one year since each counts as one section; and the two languages (Greek and German, or Greek and French, or German and French) should be studied for three years since each counts as three sections, or three-twentieths, of the examination.

The examination may not be taken in more than two divisions. In each division the candidate may offer any sections she pleases, provided that she offer in the first division a sufficient number of sections (at least four) to secure a certificate.

If more than one calendar year and the summer vacation elapse between the two divisions of the examination for admission the first division is cancelled and must be repeated.

\* Candidates are expected to show by their papers that all the subjects required for matriculation have been studied for a reasonable length of time. Total failure in the second division of the examination in any subject, when such failure is of a character to indicate that the subject has been presented as a mere form, prevents the candidate from receiving any certificate, unless she can produce satisfactory evidence that the subject in question has been faithfully studied for a reasonable length of time.

† In French or German all the three sections grammar, and prose and verse translation must be offered in the same division.

In case a sufficient number of sections to secure admission be not passed in two divisions of the examination the sections taken in one division must be cancelled, and all the sections offered in the cancelled division (except those sections which have been offered in the division which is to be counted) must be offered again, together with a sufficient number of the sections in which the candidate has been conditioned to ensure her passing in the required number of sections.

Candidates that have passed the fifteen sections necessary for admission may remove conditions by passing the corresponding examinations before or after entering the college. All entrance conditions must be passed off within the first semester after the student enters the college, under penalty of exclusion from full college work during the second semester. All students who have not passed off all their entrance conditions at the end of their second semester will be excluded from the college for one year with the exception of those conditioned in only one section who are permitted to pass it off in September. A fee of three dollars is charged for each condition examination except conditions in punctuation for which the fee is one dollar. Students with entrance conditions in Greek, Latin, English, German, French, or Mathematics are not permitted to attend the college courses in these subjects until the conditions have been passed off. Conditions in history and science do not exclude students from college classes in these subjects.

Candidates desiring to enter with advanced standing *may* offer for examination before or at entrance the remaining language (either French, or German, or Greek,\* whichever was not included by the candidate in the above twenty sections), and if this examination is not passed before entrance, the candidate must pass the matriculation examination in it before receiving the degree of Bachelor of Arts.†

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\* Students that have not passed the matriculation examination in Greek may substitute for it the matriculation course in Greek or the minor course in Latin. The minor course in Latin may also be offered for examination by candidates for matriculation that desire to enter the college with advanced standing, and, at their discretion, by matriculated students without attendance on the college classes, provided it is offered before the close of the matriculation examinations at the beginning of the student's junior year. The minor course is considered for this purpose as comprising two sections. No substitutions are allowed for any part of the following requirements, except in the case of students entering with advanced standing from other colleges:

A. Cicero, *Selected Letters*, 1, 2, 3, 5, 6, 7, 8, 10, 11, 16, 17, 19, 20, 21, 22, 23, 24, 25, 30, 31, 33, 37, 38, 39, 42, 44, 45, 47, 48, 49, 52, 75, 76, 91, 92 (*Letters of Cicero*, edited by F. F. Abbott, Boston, Ginn and Company), Terence, *Phormio*, *Adelphoe* and *Andria*, or by special request registered three months before the examination, Livy, *Book xxi.*, Latin Prose Composition, including a detailed knowledge of the more abstruse Latin constructions and some facility in turning simple English narrative into Latin. The examination in Livy and Composition is given only when the candidate furnishes proof that she was unable to secure preparation in Terence.

B. Horace, *Odes*, except i. 25, 27, 33, 36; ii. 5; iii. 6, 15, 20; iv. 1, 10, 13; *Epodes* except 3, 5, 8, 11, 12, 15, 17; *Carmen Sæculare*; *Satires* i. 1, 5, 6, 9; ii. 6; *Epistles* i. 1, 5, 6, 7, 8, 10, 14, 20.

There are two examinations, one in Section A and one in Section B, each three hours in length. These examinations may be taken in different years, and in the order preferred by the candidate; or one section may be studied in the corresponding college class, and the other offered for examination without attending the class. Examinations in Minor Latin are held only at the time of the regular matriculation examinations at the beginning and end of the college year, and in February.

† If this examination is not passed before the beginning of the student's third year in the college, she must attend the college class in the subject, or in Minor Latin, the substitute for Greek, in her third year.

Candidates desiring to enter with advanced standing *may* offer for examination before entrance trigonometry\* and solid geometry. These subjects are not necessarily included in the requirements for the degree of Bachelor of Arts, but students that have passed these examinations are credited with the equivalent number of hours of free elective work, each examination counting for this purpose as equivalent to two hours a week of free electives for one semester. Such advanced standing examinations will enable the student to lighten her work in college or to enlarge her choice of elective studies, but will not enable her to shorten the time of obtaining the bachelor's degree which represents in every case four years of study in collegiate classes.

#### *Definition of Matriculation Subjects.*

**Mathematics.** *I. Mathematics.*—Algebra. (Counting as two sections.) Plane Geometry. (Counting as two sections.)

The examination in Algebra comprises Elementary Operations, Quadratic Equations, Problems, Ratio, Proportion, Variation, Arithmetical and Geometrical Progressions, the Binomial Theorem for Positive Integral Exponents.

While there is no formal examination in Arithmetic, an adequate knowledge of the subject is required throughout the mathematical examinations; in *all* the papers there are some numerical problems, and the correct solution of a fair number of these is regarded as essential. So many good text books are available in both Algebra and Plane Geometry that no special books are recommended. The following are mentioned simply as an indication of the preparation required for these examinations:

C. Smith's *Elementary Algebra* (American edition, revised by Irving Stringham); Phillips and Fisher's *Elements of Geometry* (abridged edition); Wentworth's *Geometry*.

**Latin.**

*II. Latin.*—Grammar and Composition. (Counting as one section.) Translation at sight of simple passages in Latin prose. (Counting as two sections.) Translation at sight of simple passages of Latin poetry. (Counting as one section.) Due allowance is made for unusual words, and there are questions testing the candidate's practical knowledge of grammar and prosody.

The Latin read in preparation may be selected from Cæsar (*Gallie War* and *Civil War*), Nepos (*Lives*), Cicero (*Orations*, *Letters*, and *De senectute*), Sallust (*Catiline* and *Jugurtha*), Vergil (*Aeneid*, *Bucolics*, and *Georgics*), and Ovid (*Metamorphoses*, *Fasts*, and *Tristia*). The amount to be read should not be less than that contained in Cæsar, *Gallie War*, I-IV, Cicero, *Manilian Law*, *Archias*, and four *Orations against Catiline*, and Vergil, *Aeneid*, I-VI. The vocabulary, syntax, and thought of the sight passages will be adapted as closely as possible to the knowledge gained by a careful reading of the required amount of Latin. The paper in Grammar and Composition demands a knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in schools.

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\* For examinations in the College Entrance Examination Board equivalent to those which may be offered for advanced standing, see page 50.



**III. History.**—The outlines of the History of Greece and Rome; or *History*. the outlines of the History of England; or the outlines of the History of the United States. (Counting as one section.)

Botsford's *History of the Ancient World*, West's *Ancient History*, Goodspeed's *History of the Ancient World* (revised edition) and if possible some use of Botsford's *Source Book for Ancient History*, Andrews' *History of England*, Cheyney's *A Short History of England*, and McLaughlin's *History of the American Nation*, or Adams and Trent's *History of the United States*, will serve to indicate the preparation required.

**English.**—English Grammar. (Counting as one section.) English *English*. Composition. (Counting as three sections.) The examinations in grammar and composition may be divided and may be taken in either division of the entrance examination. The examination in English Grammar consists of the correction of passages of incorrect English. Questions will be asked to test the candidate's knowledge of the grammatical principles involved in the corrections, in especial concerning the details of sentence structure. The examination in English Composition consists of a critical composition of 350 words and, in addition, of one or two paragraphs in which the candidate is asked to give in a descriptive or narrative form the substance of important parts of the required reading.

In 1914 candidates must be familiar with Chaucer's *Prologue and Knight's Tale*; Shakespeare's *Richard II*, *Henry IV* (expurgated), *Henry V*, and *The Merchant of Venice*; Milton's *Paradise Lost*, Books I and II; the *Sir Roger de Coverley Papers* in the *Spectator*; Matthew Arnold's *Essay on Gray*; Gray's *Elegy in a Country Churchyard*; Burke's *Speech on Conciliation with America*; Wordsworth's *Michael*, *Tintern Abbey*, "Three years she grew in sun and shower," *The Solitary Reuper*, "O Nightingale! thou surely art," "The world is too much with us," "Earth has not anything to show more fair," "It is not to be thought of that the flood"; Coleridge's *Ancient Mariner* and *Christabel*; Shelley's *Ode to the West Wind*, *To a Skylark*, *To a Cloud*, and "Swiftly walk over the Western Wave"; Keats's *Eve of St. Agnes*, *Ode to Autumn*, and *Ode to a Nightingale*; Tennyson's *Passing of Arthur*; Macaulay's *Life of Johnson*; Scott's *Ivanhoe*; Hawthorne's *House of the Seven Gables*; Stevenson's *Kidnapped*.

The following books agreed on by the Associations of the Colleges and Schools of the New England States, the Middle States and Maryland, the North Central States, and the Southern States, will be accepted as equivalents for the books prescribed for the English examinations of Bryn Mawr College: Chaucer's *Prologue*; Shakespeare's *Henry V*, *Macbeth*, and *The Merchant of Venice*; Milton's *L'Allegro*, *Il Penseroso*, and *Comus*; the *Sir Roger de Coverley Papers* in the *Spectator*; Palgrave's *Golden Treasury* (first series) *Book IV*, with special attention to Wordsworth, Keats, and Shelley; Coleridge's *Ancient Mariner*; Burke's *Speech on Conciliation with America*; Scott's *Ivanhoe*; Hawthorne's *House of the Seven Gables*; Macaulay's *Life of Johnson*; Thackeray's *English Humourists*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Stevenson's *Inland Voyage and Travels with a Donkey*.

In 1915 and 1916 candidates must be familiar with the following books agreed on by the Associations of the Colleges and Schools of the New England States, the Middle States and Maryland, the North Central States, and the Southern States: Shakespeare's *A Midsummer Night's Dream*, *The Merchant of Venice*, *Julius Cæsar*, and *Macbeth*; Milton's *L'Allegro*, *Il Penseroso*, and *Comus*; the *Sir Roger de Coverley Papers* in the *Spectator*; Gray's *Elegy in a Country Churchyard*; Burke's *Speech on Conciliation with America*; Palgrave's *Golden Treasury* (first series), *Book IV*, with special attention to Wordsworth, Keats, and Shelley; Coleridge's *Ancient Mariner*; Scott's *Ivanhoe*; Thackeray's *Henry Esmond*; Hawthorne's *House of the Seven Gables*; Macaulay's *Life of Johnson*; Tennyson's *Passing of Arthur*; Arnold's *Sohrab and Rustum*; Browning's *Cavalier Tunes*, *The*



*Lost Leader, How They Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, Héré Riel, Pheidippides, My Last Duchess, Up at a Villa—Down in the City; Stevenson's Inland Voyage and Travels with a Donkey.*

In 1917 Shakespeare's *As You Like It* will be substituted for *A Midsummer Night's Dream* and Macaulay's *Essay on Milton* for Macaulay's *Life of Johnson*.

In preparing for this examination special attention should be given to the structure of the whole composition, and the analysis of model essays, for example Arnold's *Essay on Gray*, is recommended. Robins and Perkins's *Introduction to the Study of Rhetoric*, Hill's *Foundations of Rhetoric*, Abbott's *How to Write Clearly*, and Bigelow's *Handbook of Punctuation*, will serve to indicate the preparation required for paragraph structure, sentence structure, and punctuation.

*Science.* **Science.**—The elements of one of the following sciences:—Physics, or Chemistry, or Botany, or Physiology, or Physical Geography. (Counting as one section.)

Mann and Twiss's *Physics*; or *A First Course in Physics*, Millikan and Gale; Remsen's *Introduction to the Study of Chemistry* (Briefer Course); Atkinson's *Elementary Botany* or Barnes's *Plant Life* or Bergen and Davis's *Principles of Botany* used in connection with Spalding's *Introduction to Botany* or Caldwell's *Plant Morphology*; Hough and Sedgwick's *Elements of Physiology*, or Fitz's *Physiology and Hygiene*, Davis's *Elementary Physical Geography*, Gilbert and Brigham's *Introduction to Physical Geography*, Dryer's *Lessons in Physical Geography*, and Salisbury's *Physiography*, will serve to indicate the preparation required. Candidates are advised, whenever possible, to offer Physics, as this study forms the best basis for scientific work. It is recommended that candidates should have some knowledge of the metric system.

#### IV. Two of the following languages:

*Greek.* **Greek.**—Grammar and Composition. Very simple prose composition with words and construction taken from Xenophon's *Anabasis*. (Counting as one section.) Translation at sight of simple passages in Attic prose, such as Xenophon's *Anabasis* or *Memorabilia*. (Counting as one section.) Translation at sight of passages of average difficulty from Homer. (Counting as one section.) Due allowance is made for unusual words and there are questions testing the candidate's practical knowledge of grammar and prosody.

White's *First Greek Book* will serve to indicate the preparation required in prose composition.

*French.* **French.**—Grammar and Composition. (Counting as one section.) This is to test the candidate's knowledge of ordinary grammatical forms. Prose and Verse Translation. (Counting as two sections.) This is a test of the candidate's power to read at sight ordinary French prose and verse.

For the examination in reading no texts are assigned, the examination being intended to test the candidate's ability to read any ordinary French whatsoever. Candidates preparing for these examinations are advised to acquire as large a vocabulary as possible; they are further advised in their study of verbs to concentrate their attention on the regular verbs, the auxiliaries *être*, *avoir*, such important irregular verbs as *aller*, *devoir*, *dire*, *faire*, *mettre*, *prendre*, *pouvoir*, *vouloir*, *tenir*, *venir*, *voir*, *écrire*, *lire*, *croire*, *boire*, and the typical verbs *conduire*, *craindre*, *paraître*, *partir*, and to acquire a fair knowledge of the use of the various past tenses and of the rules of the subjunctive.

Teachers preparing students that wish to elect French in the college are advised to train their pupils to write French from dictation in order to enable them to understand lectures delivered in French.

**German.**—Grammar and Composition. (Counting as one section.) *German.* This is to test the candidate's knowledge of ordinary grammatical forms. Prose and Verse Translation. (Counting as two sections.) This is a test of the candidate's power to read at sight ordinary German prose and verse.

For the examination in reading no texts are assigned, the examination being intended to test the candidate's ability to read any ordinary German. Candidates should endeavour to acquire as large a vocabulary as possible; they are also advised to study the irregular nouns and verbs.

Candidates who intend to continue the study of German in the college should be prepared to understand lectures delivered in German.

Every candidate for the degree of Bachelor of Arts must have passed examinations on work amounting to one hundred and twenty hours\* and must have obtained an examination grade above that of "passed," that is, the grade of merit,† (seventy per cent) or over, on half of these one hundred and twenty hours; she must also possess at the time of graduation a reading knowledge of French and German and some acquaintance with Latin. In the last year before graduation, oral examinations are held to test her ability to read French and German at sight. She must have been in attendance on college classes in Bryn Mawr College, or in some other college of high standing, for a period of four years;‡ she must have fulfilled the requirements of the department of athletics and gymnastics.

*Studies  
Leading  
to the  
Degree of  
Bachelor  
of Arts.*

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\* The word hour here means one hour a week for one semester. In calculating the standing of students under this rule every course offered for examination, including the fourth language, trigonometry, and solid geometry when offered for advanced standing in the matriculation examination, must be included except as explained below. A grade once obtained in an examination may not be cancelled, the first one hundred and twenty hours of examinations offered qualifying, or disqualifying, for a degree. Grades received on examinations offered for work not taken in the college classes must be counted in these one hundred and twenty hours, except in the case of students who enter with advanced standing from other colleges, and give notice within the first two weeks after their entrance of a desire to offer for examination subjects already pursued. Such students will, in case they fail in these examinations, be granted the privilege of cancelling them so that they shall not count in estimating their standing under the merit law, provided they enter the corresponding courses as regular students without attempting to pass off the conditions incurred. A similar privilege will be granted to students who offer trigonometry or solid geometry or a fourth language in the matriculation examination *before* entering the college and also to students who offer proof within two weeks after entering the college that they have studied these subjects in school or college classes or under private tuition. These students are not required to enter the corresponding college classes provided they fail in the examination.

† Since this merit law was enacted no student who has not fulfilled the requirements as above stated has received a degree.

‡ Work in summer schools of colleges and universities may not be substituted for work of the regular college year.

If a student at the end of her junior year, or in February of her senior year, has received a grade *below* seventy per cent in as many as one-half of the hours that she has offered for examination of the one hundred and twenty required for the degree, she will not be allowed to graduate at the end of her senior year; but if she wishes to continue her studies at Bryn Mawr College, must plan to remain for an additional year or for a longer period. She will be on probation during this time and her work will be prescribed by a committee of the Faculty, the object being to enable her to improve the quality of her work so that she may not ultimately be disqualified by her grades from obtaining a degree.

No student who has received a grade below seventy per cent in as many as one-half of the hours that she has taken will be permitted to hold office in any of the organisations of the college, to take part in any entertainment requiring preparation, or to undertake any paid work.

The following course of study must be pursued by every candidate for the degree of Bachelor of Arts:

*Required  
Studies.*

*Greek or French or German\**, five hours a week for one year, when this subject has not been included in the examination for matriculation. Those students, however, who wish to omit Greek may substitute for the required course in Greek the minor course in Latin.†

*English*, five hours a week for two years.

*Philosophy and Psychology*, five hours a week for one year.

*Science*, five hours a week for one year.

*Science, or History, or Economics and Politics, or Philosophy, or Psychology, or Mathematics*, five hours a week for one year.

*Two Major Courses*, of five hours a week for two years each, constituting one of the following Groups: any Language with any Language;‡ Latin or Greek with Ancient History; Comparative Literature with English, or German, or Italian, or Spanish;§ Ancient History with Classical Archæology; History with Economics and Politics; Modern History with German, or French, or History of Art; Philosophy or Psychology, or Philosophy and Psychology§ with Greek, or English, or Economics and Politics, or Mathematics, or Physics; Philosophy with Latin or Psychology; Psychology with Biology; Classical Archæology with Greek, or Latin; History of Art with French, or German, or Italian, or Spanish; Mathematics with Greek, or Latin, or Physics, or Chemistry, or Geology, or Biology; any Science with any Science.

\* The College provides matriculation classes, five hours a week throughout one year, for those students who in the examination for matriculation may have omitted Greek, French, or German. Attendance on these classes is not obligatory before the beginning of the junior year, the student being free until then to make good her deficiencies by private study.

† A student choosing Latin as one of the languages of her Group, and not wishing to study Greek, may substitute for the year of minor Latin five hours a week for one year of post-major Latin, or a year of French, or German, or Italian, or Spanish.

‡ For the purpose of forming a group, Italian and Spanish may count as one language; they may be combined so as to form a course of five hours a week for two years.

§ For the purpose of forming a group, philosophy and psychology may be combined so as to form a course of five hours a week for two years.



*Free Elective Courses*, amounting to ten hours a week for one year, to be chosen by the student. It should be noted that a single study may be taken as a free elective, without electing the group that includes it, and any courses open as free electives, may be chosen without taking the remainder of the minor course of which they may form a part. *Free Elective Courses.*

The studies required for a degree may for convenience be tabulated as follows: *Tabular Statement.*

*Required Courses (Five hours a week for One Year Each).*

|  |  |  |   |  |
|--|--|--|---|--|
| 1 and 2.<br>English.<br>[Two Courses.] | 3.<br>Philosophy<br>and<br>Psychology. | 4.<br>Science:<br>Physics,<br>or<br>Chemistry,<br>or<br>Geology,<br>or<br>Biology. | 5.<br>Science,<br>or<br>History,*<br>or<br>Economics and<br>Politics,<br>or<br>Philosophy, or<br>Psychology, or<br>Mathematics. | 6.†<br>Matriculation<br>French,<br>or<br>Matriculation<br>German,<br>or<br>Matriculation<br>Greek (or<br>Minor Latin). |
|--|--|--|---|--|

*Two Major Courses (Five hours a week for Two Years Each).*

Constituting any one of the following sixty-eight groups:

|  |   |   |   |
|--|---|---|---|
| I—XX.<br>Any Language<br>with<br>any Language†<br>(Twenty Groups). | XXI.<br>Comparative<br>Literature<br>with<br>English.                 | XXII.<br>Comparative<br>Literature<br>with<br>German. | XXIII.<br>Comparative<br>Literature<br>with<br>Italian. |
| XXIV.<br>Comparative<br>Literature<br>with<br>Spanish.             | XXV.<br>Comparative<br>Literature<br>with<br>Italian and<br>Spanish.‡ | XXVI.<br>Ancient<br>History<br>with<br>Greek.         | XXVII.<br>Ancient<br>History<br>with<br>Latin.          |

\* A student electing modern history as one of her group subjects and offering history in place of the second year of science must offer five hours of post-major work in this subject.

† The College provides matriculation classes, five hours a week throughout one year, for those students who in the examination for matriculation may have omitted Greek, French, or German. Attendance on these classes is not obligatory before the beginning of the junior year, the student being free until then to make good her deficiencies by private study. Students not wishing to study Greek may substitute the college course in minor Latin or the advanced standing examination in minor Latin for the examination in matriculation Greek. Minor Latin may not be offered for examination without attending the college class after the close of the matriculation examinations at the beginning of the junior year.

‡ For the purpose of forming a group, Italian and Spanish may count as one language: they may be combined so as to form a course of five hours a week for two years.



|  |  |   |  |
|--|--|---|--|
| XXVIII.  | XXIX.  | XXX.  | XXXI.  |
| Ancient<br>History<br>with<br>Classical<br>Archæology.         | Modern<br>History<br>with<br>Economics<br>and<br>Politics. | Modern<br>History<br>with<br>German.            | Modern<br>History<br>with<br>French.                 |
| XXXII.   | XXXIII.  | XXXIV.  | XXXV.  |
| Modern<br>History<br>with<br>History<br>of Art.                | Economics and<br>Politics with<br>Philosophy.              | Philosophy<br>with<br>Greek.                    | Philosophy<br>with<br>Latin.                         |
| XXXVI.   | XXXVII.  | XXXVIII.  | XXXIX  |
| Philosophy<br>with<br>English.                                 | Philosophy<br>with<br>Psychology.                          | Philosophy<br>with<br>Mathematics.              | Philosophy<br>with<br>Physics.                       |
| XL.  | XLI.   | XLII.   | XLIII.   |
| Philosophy and<br>Psychology<br>with Economics<br>and Politics | Philosophy and<br>Psychology<br>with<br>Greek              | Philosophy and<br>Psychology<br>with<br>English | Philosophy and<br>Psychology<br>with<br>Mathematics. |
| XLIV.  | XLV.   | XLVI.   | XLVII.   |
| Philosophy and<br>Psychology<br>with Physics.                  | Psychology with<br>Economics and<br>Politics.              | Psychology<br>with<br>Greek.                    | Psychology<br>with<br>English.                       |
| XLVIII.  | XLIX.  | L.  | LI.  |
| Psychology<br>with<br>Mathematics.                             | Psychology<br>with<br>Physics.                             | Psychology<br>with<br>Biology.                  | Classical<br>Archæology<br>with Greek.               |
| LII.   | LIII.  | LIV.  | LV.  |
| Classical<br>Archæology<br>with<br>Latin.                      | History<br>of Art<br>with<br>German.                       | History<br>of Art<br>with<br>French.            | History<br>of Art<br>with<br>Italian.                |
| LVI.   | LVII.  | LVIII.  | LIX.   |
| History of<br>Art with<br>Spanish                              | Mathematics.<br>with<br>Greek.                             | Mathematics<br>with<br>Latin.                   | Mathematics<br>with<br>Physics.                      |

| LX.                               | LXI.                            | LXII.                           | LXIII-LXVIII.                                       |
|-----------------------------------|---------------------------------|---------------------------------|---|
| Mathematics<br>with<br>Chemistry* | Mathematics<br>with<br>Geology. | Mathematics<br>with<br>Biology. | Any Science<br>with<br>any Science<br>(Six Groups). |

*Free Elective Courses.*

Ten hours a week for one year in any subject, or subjects, the student may elect.

All candidates for the degree of Bachelor of Arts must elect their courses in accordance with the Group System, and an understanding of the principles of the system is necessary for an intelligent selection of courses.

*The  
Group  
System.*

In all departments as yet fully organised there is a course of five hours a week for two years, called a Major Course. Whenever one year of this course is of such a nature that it may be taken separately, it is designated as a Minor Course. Every candidate for a degree is required to take two such major courses as shall be homogeneous, or shall complete each other, and major courses which fulfil this condition are designated as Groups. The object of this system is to enable the student to acquire the foundations of a specialist's knowledge; and the Required Courses, namely, English, philosophy, science, (or, if a second year of science be not elected, history, or economics and politics, or philosophy, or psychology, or mathematics), are intended in part to supplement the Group, and in part to insure a more liberal training than could be obtained if every student combined elective studies at pleasure.

*Major  
Course.*

The required two years' course in English serves as a general introduction to the study of language and comparative literature. The required two years in science (or the substitute permitted of one year's course in science and one year's course in history, economics and politics, philosophy, or psychology, or mathematics), permit the student of chemistry and biology to pursue advanced courses in one or both of these branches, or to take a major course in physics; and they give for one year at least to the student of history and literature the same kind of instruction and discipline as is received by the scientific student. The

*Required  
Courses.*

one year's course in philosophy is a general introduction into the study of the laws, conditions, and history of thought.

*Post-major  
Courses.*

In almost all departments post-major courses, truly advanced courses which answer to graduate courses in many colleges, are organised and may be elected by students that have completed the major, or group, work in the subject.

*Free Elective  
Courses.*

All minor courses that do not presuppose required courses may be elected by any student, and special free elective courses of one, two, or three hours a week, are offered in many departments.

The following may serve as examples of some of the many combinations of studies that may be made by those candidates for a degree who wish to specialise as far as possible in particular departments: Matriculation French, Matriculation German, Matriculation Greek, and Minor Latin are bracketed as being subjects that may be included in the examination for matriculation. These bracketed courses may be offered for examination before the beginning of the junior year without attendance on the college classes, but this is not advised on account of their difficulty.

CLASSICS. *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Philosophy, or Minor Mathematics). *As a Group*, Greek and Latin. *As Free Electives*, Post-major Greek and Latin, or Classical Archæology, ten hours a week for one year.

MODERN LANGUAGES (other than English). *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Mathematics). *As a Group*, German and French, or German and Italian and Spanish, or French and Italian and Spanish. *As Free Electives*, Italian and Spanish, or Post-major French or German, ten hours a week for one year.

ENGLISH. *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Philosophy). *As a Group*, Greek and English, or Latin and English, or English and German, or English and French, or English and Italian and Spanish, or English and Spanish, or English and Comparative Literature,

or English and Philosophy. *As Free Electives*, Latin and German, ten hours a week for one year.

MATHEMATICS (with Greek). *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek], English, Philosophy, Physics, another Science, (or Post-major Mathematics, or Modern or Ancient History, or Minor Psychology). *As a Group*, Mathematics and Greek. *As Free Electives*, Post-major Mathematics and Post-major Greek, ten hours a week for one year.

MATHEMATICS (with Physics). *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Chemistry, another Science (Geology, or Biology), or Post-major Mathematics. *As a Group*, Mathematics and Physics. *As Free Electives*, Post-major Mathematics and Post-major Physics, ten hours a week for one year.

MODERN HISTORY. *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, any Science, another Science, (or Ancient History, or Post-major History, or Economics and Politics, or Minor Philosophy, or Mathematics). *As a Group*, Modern History and Economics and Politics. *As Free Electives*, Post-major Modern History and Post-major Economics and Politics, ten hours a week for one year.

PHILOSOPHY (with Greek). *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Mathematics). *As a Group*, Greek and Philosophy. *As Free Electives*, Post-major Greek and Minor Psychology ten hours a week for one year.

PHILOSOPHY (with English). *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics). *As a Group*, English and Philosophy. *As Free Electives*, Psychology and Comparative Literature, ten hours a week for one year.

MODERN EUROPEAN HISTORY (with French). *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Ancient History, or Minor Economics and Politics, or Minor Philosophy, or Minor Mathematics). *As a Group*, Modern European History and French. *As Free Electives*, Post-major French and Major Ancient History, or Post-major Modern History.

PHILOSOPHY or PSYCHOLOGY (with Economics and Politics, or with Mathematics, or with Physics). *As Required Studies*, [Matriculation



French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Modern, *or* Ancient History). *As a Group*, Philosophy *or* Psychology with Economics and Politics, *or* with Mathematics, *or* with Physics. *As Free Electives*, Post-major Economics, *or* Mathematics, *or* Physics, ten hours a week for one year.

CLASSICAL ARCHÆOLOGY (with Greek). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek], English, Philosophy, Science (Physics, *or* Chemistry, *or* Biology, *or* Geology), another Science, (*or* Modern, *or* Ancient History, *or* Minor Philosophy, *or* Mathematics). *As a Group*, Greek and Classical Archæology. *As Free Electives*, History of Art, *or* Post-major Greek, *or* Minor Latin, ten hours a week for one year.

SCIENCE. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Modern, *or* Ancient History, *or* Minor Economics and Politics, *or* Minor Philosophy, *or* Minor Mathematics, *or* Elective Mathematics). *As a Group*, Physics and Chemistry, *or* Physics and Geology, *or* Physics and Biology, *or* Chemistry and Geology, *or* Chemistry and Biology, *or* Geology and Biology. *As Free Electives*, Mathematics and Physics, *or* Chemistry, *or* Geology, *or* Biology, ten hours a week for one year.

PRELIMINARY MEDICAL COURSE. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Minor Physics, Major Physics. *As a Group*, Chemistry and Biology. *As Free Electives*, Post-major Biology and Post-major Chemistry, *or* Minor Latin, (if not taken as a required study) ten hours a week for one year.

PREPARATION FOR SOCIAL SERVICE. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Minor and Major Biology. *As a Group*, Economics and Politics and Philosophy. *As Free Electives*, Post-major Economics and Politics, *or* Modern History, *or* Mathematics.

The following combinations may be adopted by those who wish to pursue a three years' course in history, economics and politics, *or* science, *or* English, yet do not wish to elect an historical, *or* economic, *or* a scientific *or* language group.

I. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, any Science, Modern History. *As a Group*, any Language with any language, *or* Chemistry and Biology. *As Free Electives*, Ancient History, five hours a week for one year, and Major Modern History five hours a week for one year.

II. *As above*, but for Modern History substitute Minor Economics and Politics, and for Ancient History, Major Economics and Politics, and for Major Modern History, Post-major Economics and Politics.

III. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Physics and Chemistry, *or* Geology, *or* Biology. *As a Group*, any Language with any language. *As Free Electives*, Major and Post-major Physics, *or* Chemistry, *or* Geology, *or* Biology, five hours a week for two years.

IV. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Modern, *or* Ancient History, *or* Minor Economics and Politics, *or* Minor Philosophy, *or* Minor Mathematics). *As a Group*, Greek and Latin. *As Free Electives*, Minor and Major English, five hours a week for two years.

Every undergraduate student is expected to consult the Dean of the College in regard to the details and best arrangement of her various studies, and to register her course of study in the president's office before entering upon college work.

The studies leading to the degree of Bachelor of Arts, may, as a rule, be taken in any order preferred by the student, but students are advised to plan their work carefully in advance with reference to the lecture schedule in order that a conflict of hours may not later in their course prevent them from electing all the studies which they desire. Students who elect English as a major study, for example, must take the general English literature lectures and essay work in their first and second years in the college because they are required to complete this work before entering the major course in English. Students who elect comparative literature as a major subject are recommended to elect languages early in their course. Students choosing a scientific group, such as chemistry and biology, must arrange their courses so as to avoid conflicts in the hours for laboratory work. Trigonometry is required for the work of the major year of the group course in physics.

Those students who have not decided on their group may in the first year pursue required studies only, or may elect one of the courses belonging to the group to which they most incline, with the understanding that if they should desire to change their group that course will be counted as a free elective; those

students whose tastes are already fully formed, or who are uncertain how many years they shall remain in college, may enter at once on free elective studies and on the study of both subjects of their group. There are obvious advantages for the student in deferring as long as possible the choice of her free electives and her group, inasmuch as the required studies, by accustoming her to the methods of laboratory work, and to the study of languages, literature, and history, afford her every opportunity of ascertaining her true tastes and aptitudes.

The students are not divided into the traditional college classes and there is no limit of time for graduation; in order to pursue a wider course of reading in connection with single subjects, or to attend a greater variety of lectures, the ablest students may choose to defer graduation; personal considerations only determine the time spent in completing the studies required for a degree. Nevertheless these requirements constitute strictly a four years' course; that is to say, if the time given to lectures and class work be, as is usual, fifteen hours a week, a student passing the ordinary matriculation examination, and availing herself of the preliminary courses of the college in the subjects which that examination did not include, in all cases requires precisely four years. To give more time for advanced studies and to lighten the college course, students are permitted to take examinations in certain subjects included in the course without attending the college classes in these subjects. Trigonometry, solid geometry, and the fourth language (Matriculation French, or German, or Greek, or Minor Latin) may be taken in this way if offered not later than the beginning of the junior year. A student who can furnish proof that she has acquired advanced knowledge of German or French by attendance on regular advanced classes conducted by a school, or college, or by visiting teachers, or by residence abroad, or by study under German or French governesses at home, is permitted to take examinations for advanced standing in reading and composition in these languages, but only in the first three weeks after entering college. Students entering college at the beginning of the second semester are not permitted to register for more than fifteen hours of college work, or to offer advanced standing



examinations in order to complete the work required for a degree in less than four years.

Graduates of Bryn Mawr College, and graduates of other colleges who shall have satisfied the Academic Council that the course of study for which they have received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degree of Doctor of Philosophy and Master of Arts; admission to the graduate school does not in itself qualify a student to become a candidate for this degree. A separate degree of Master of Arts is open to graduates of Bryn Mawr College, but to them only.

*Studies  
Leading  
to a  
Second  
Degree.*

The candidate for the degree of Master of Arts must be a Bachelor of Arts of Bryn Mawr College, and must have studied for one full year in the graduate school of Bryn Mawr College, devoting herself to systematic advanced work approved by the Graduate Committee of the Academic Council. The candidate must submit her proposed course of study for the approval of this committee on or before the second Wednesday in November. She must pass a special written examination on each subject to the satisfaction of the department in which she has studied, and must announce her candidacy to the President not later than the first day of May in the academic year in which the degree is to be conferred.

*The Degree  
of  
Master of  
Arts.*

The Degree of Doctor of Philosophy and Master of Arts may be conferred upon graduates of Bryn Mawr College, and upon graduates of other colleges who shall have satisfied the Graduate Committee either that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or that it has been adequately supplemented by subsequent study. The degree is given to no one who cannot read French and German, or who is unacquainted with Latin. The degree of Doctor of Philosophy will in no case be conferred by the College as an honorary degree.

*The Degree  
of  
Doctor of  
Philosophy  
and  
Master of  
Arts.*

The candidate must devote to graduate work the equivalent of three full years of which at least two must be spent at



Bryn Mawr College and the third, if not at Bryn Mawr, at some other college or university approved by the Graduate Committee. The earliest date at which the degree of Doctor of Philosophy may be taken is three years after graduation, but the element of time is subordinate to the other requirements and the minimum of three years will usually be exceeded. The course of study leading to the degree of Doctor of Philosophy and Master of Arts consists of one principal, or major, subject and of two subordinate, or minor, subjects of which one (the associated minor) must be in the same department as the major subject or in a closely allied department; the other (the independent minor) must complete an authorised combination. The candidate must have written a dissertation which is the result of independent investigation in the field covered by the major subject; it must contain new results, arguments, or conclusions, or present accepted results in a new light. The candidate must also satisfy the Graduate Committee that she is able to read French and German at sight and to write English correctly and clearly. The progress and attainments of the candidate are tested by examinations. A preliminary examination, written and oral, must be taken at least four calendar months before the final examination and after two-thirds of the prescribed courses in the major and associated minor and all the work in the independent minor are completed. The final oral examination is taken after the whole of the prescribed courses have been completed and the dissertation in its final form accepted. The degree is not conferred until the candidate has satisfied the above requirements and deposited one hundred and fifty printed copies of her dissertation, bound according to the prescribed model, in the office of the Secretary of the College and two copies specially bound for the use of the library.

***European  
Travelling  
Fellow-  
ships.***

The Bryn Mawr European Fellowship of the value of \$500 was founded in 1889. It is awarded annually to a member of the graduating class of Bryn Mawr College on the ground of excellence in scholarship. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The President M. Carey Thomas European Fellowship of the value of \$500 was founded in 1896 by Miss Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a student in her first year of graduate work at Bryn Mawr College. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The Mary E. Garrett European Fellowship of the value of \$500 was founded in 1894 by Miss Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a student still in residence who has for two years pursued graduate studies at Bryn Mawr College. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The Anna Ottendorfer Memorial Research Fellowship in German and Teutonic Philology of the value of \$700 was founded in 1907 by Mrs. Anna Woerishoffer of New York City in memory of her mother. It is intended to defray the expenses of one year's study and residence at some German university and is awarded annually to a graduate student who has completed at least one year of graduate study at Bryn Mawr College but is not necessarily still in residence when making application for the fellowship. The fellowship will be awarded to the candidate who has pursued the most advanced work, or whose studies afford the most promise of future success. She must show such proficiency in her studies or in independent work as to furnish reason to believe that she will be able to conduct independent investigations in the field of Teutonic Philology or German. The choice of a university may be determined by the holder's own preference subject to the approval of the Faculty. Application for the fellowship should be addressed to the President.

Fifteen resident fellowships, of the value of \$525 each, are awarded annually in Greek, Latin, English, German and Teutonic Philology, Romance Languages, Semitic Languages and Biblical Literature, History, Philosophy, Archæology, Mathe-

*Resident  
Fellow-  
ships.*

matics, Physics, Chemistry, Geology and Biology, and the Justus C. Strawbridge Fellowship in Economics and Politics. They are open for competition to graduates of Bryn Mawr College, or of any other college of good standing, and will be awarded only to candidates who have completed at least one year of graduate work at some college of good standing after obtaining their first degree. The fellowships are intended as an honor, and are awarded in recognition of previous attainments; generally speaking, they will be awarded to the candidates that have studied longest or to those whose work gives most promise of future success. All fellows may study for the degree of Doctor of Philosophy, the fellowship being counted, for this purpose, as equivalent to the degree of Bachelor of Arts. Fellows that continue their studies at the college after the expiration of the fellowship, may, by a vote of the directors, receive the rank of Fellows by Courtesy.

*\*Duties of  
Resident  
Fellows.*

Fellows are expected to attend all college functions, to wear academic dress, to assist in the conduct of examinations, and to give about an hour a week to the care of special libraries in the halls of residence and in the seminaries, but no such service may be required of them except by a written request from the president's office; they are not permitted while holding the fellowship to teach, or to undertake any other duties in addition to their college work. They are required to reside in the college and are assigned rooms by the Secretary of the College. They are charged the usual fee of four hundred and five dollars for tuition, board, room-rent, and infirmary care.

The holder of a fellowship is expected to devote at least one half her time to the department in which the fellowship is awarded, and to show by the presentation of a thesis or in some other manner that her studies have not been without result.

*Resident  
Graduate  
Scholar-  
ships.*

Twenty Graduate Scholarships, of the value of \$200 each, may be awarded to candidates next in merit to the successful candidates for the fellowships; they are also open for competition to graduates of Bryn Mawr College, or of any other college of good standing.

The Susan B. Anthony Memorial Scholarship in Political Theory, of the value of \$250, was founded in 1910, and is awarded to the candidate wishing to devote herself to studies in Political Theory, whose work has given most promise of success.



Ten Graduate Scholarships, of the value of \$405 each, were founded in 1909, five for English, Scotch, or Irish women, and five for German women, and two were founded in 1913 for French women and are open for competition to all women of the prescribed nationality whose academic work has reached a standard equivalent to that denoted by the Bachelor's degree of any American college or university of acknowledged standing. The amount of the scholarship, four hundred and five dollars, covers the fees for tuition, board, residence, including light, heat, and service, and infirmary care for the academic year. A furnished single room in the graduate wing of one of the halls of residence is assigned to each scholar.

*Scholarships for British and German and French Women.*

Scholars are expected to reside in the college, to attend all college functions, to wear academic dress and to assist in the conduct of examinations.

*Duties of Resident Scholars.*

Application for resident fellowships or scholarships should be made as early as possible to the President of the College, and must be made not later than the fifteenth\* of April preceding the academic year for which the fellowship or scholarship is desired. Blank forms of application will be forwarded to the applicants. A definite answer will be given within two weeks from the latest date set for receiving applications. Any original papers, printed or in manuscript, which have been prepared by the applicant and sent in support of her application will be returned when stamps for that purpose are enclosed, or specific directions for return by express are given. Letters or testimonials from professors and instructors will be filed for reference.

*Applications for Resident Fellowships and Scholarships.*

For graduate students attending six or more hours a week of lectures, and for fellows and graduate scholars the tuition fee is one hundred and twenty-five dollars a year, payable half-

*Tuition for Graduate Students.*

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\* In the case of candidates for the Scholarships open to British and French women applications must be received by May the first. Applications for the scholarships should be accompanied by full particulars of the candidate's academic work, by diplomas or certificates and by letters of recommendation from professors and should be addressed in the case of British and French candidates to the President of Bryn Mawr College, Bryn Mawr, Pennsylvania, U. S. A., and in the case of German candidates to Seiner Excellenz dem Herrn Staatssekretär des Innern, Reichsamt des Innern, Berlin, Germany, before April the first.



yearly in advance. For other graduate students\* who do not wish to devote all their time to graduate work the fees are as follows, payable in advance: for one hour a week of lectures, ten dollars a semester; for two hours a week of lectures, twenty dollars a semester; for three hours a week of lectures, thirty dollars a semester; and for four or five hours a week of lectures, forty dollars a semester.† This arrangement is made especially for non-resident graduate students, but those who wish to take five hours a week of lectures or less may live in the college halls on the understanding that they must give up their rooms if needed for students who are taking the full amount of graduate work and paying the regular tuition fee. The tuition fee for the semester becomes due as soon as the student is registered in the college office. No reduction of this fee can be made on account of absence or for any other reason whatsoever. Graduate students are admitted to residence or to attendance on lectures at any time during the year, and in this case a proportionate reduction is made in the charges for board and room-rent and for tuition. Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

*Laboratory  
Fees.*

Graduate students taking courses in scientific departments (Physics, Chemistry, Geology, Biology, and Psychology) amounting to six or more hours a week of lecture courses or its equivalent in laboratory courses are charged a laboratory fee of eighteen dollars a semester, with the following exceptions: if the student takes, as a regular student, courses in subjects

\* Doctors of Philosophy of Bryn Mawr College may attend lectures or work in the laboratories without payment of any fee except for material used in the laboratory.

† The fees charged are reckoned on the basis of the actual hours of conference or lecture, irrespective of the number of undergraduate hours to which the course is regarded as equivalent.

In counting the number of hours for which a graduate student is registered the following special arrangements are made in regard to laboratory courses: payment for a one hour lecture course in a scientific department entitles the student to four hours of laboratory work in addition with no extra charge except the laboratory fee. Students registered for laboratory work only, are charged the following tuition fee: for each two and one-half hours of undergraduate laboratory course and for each five hours of graduate laboratory course the same fee as for a one hour lecture course. The laboratory fees as stated above are charged in addition to the charge for tuition.

not enumerated above amounting to six hours a week the laboratory fee is reduced to twelve dollars a semester; and if she takes, as a regular student, courses in subjects not enumerated above amounting to ten hours a week the laboratory fee is reduced to six dollars a semester.

Graduate students taking less than six hours a week of lectures, or its equivalent in laboratory work, and graduate students taking one undergraduate laboratory only are charged a laboratory fee of ten dollars a semester for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

Residence in the college buildings is optional except for holders of resident fellowships and scholarships. In each hall of residence, except Merion Hall, a special wing or corridor is reserved for graduate students, and in order to secure entire quiet no undergraduate students are permitted to engage rooms in the graduate wings. The expense of board and residence in the graduate wings of the college halls is two hundred and seventy-five dollars. Of this amount two hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expenses of furnishing, service, heating, and light.\*

A deposit of fifteen dollars is required from each graduate student, fellow, or scholar who desires to reserve a room in a hall of residence. The amount of this deposit will be deducted from the rent if the room is occupied by the student; it will be refunded if the student gives formal notice to the Secretary of the College before the fifteenth of July preceding the academic year for which the application is made that she wishes to withdraw her application. In other cases the deposit will be forfeited.

*Residence  
for  
Graduate  
Students.*

For graduate students the fees are as follows:

Tuition for the semester, payable on registration:

|   |          |
|---|----------|
| For one hour† a week of lectures.....                         | \$ 10.00 |
| For two hours a week of lectures.....                         | \$ 20.00 |
| For three hours a week of lectures.....                       | \$ 30.00 |
| For four or five hours a week of lectures.....                | \$ 40.00 |
| For six or more hours a week of lectures.....                 | \$ 62.50 |
| Room-rent for the academic year, payable on registration..... | \$ 75.00 |
| Board for the semester payable on registration.....           | \$100.00 |

Total expenses for the academic year:

|  |          |
|--|----------|
| Tuition fee, for six or more hours a week of lectures..... | \$125.00 |
| Room-rent.....   | \$ 75.00 |
| Board.....   | \$200.00 |
| Infirmary fee.....   | \$ 5.00  |

Total for tuition, residence, and infirmary care for the academic year.\$405.00

Laboratory fees for the academic year.....\$10 to \$36

*Summary  
of  
Expenses  
for  
Graduate  
Students.*

\* Rugs and towels must be furnished by the students themselves. Graduate students will, upon request, be supplied with rugs.

† See footnote, page 72.

Students whose fees are not paid by November first in the first semester or by March first in the second semester are not permitted to continue in residence or in attendance on their classes.

*Tuition  
for  
Under-  
graduate  
Students.*

For undergraduate students and hearers the charge for tuition is two hundred dollars a year, payable in advance.\* The average cost of teaching each undergraduate student is over four hundred dollars a year. The tuition fee has been fixed at two hundred dollars in order not to exclude those unable to pay the entire amount but the difference between the actual cost and the price of tuition must be met from the small endowment funds of the college and from outside gifts. Voluntary contributions from parents or students able and willing to pay the whole or any part of this additional two hundred dollars will be credited as a gift towards the college salaries for teaching. No reduction of the charge of two hundred dollars can be made on account of absence, illness, or for any other reason whatsoever.

Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

For undergraduate students there is an additional charge of ten dollars a semester for materials and apparatus for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

In courses in Geology each hour of field work is counted as one hour of laboratory work. Not more than one laboratory course is required of candidates for a degree.

*Residence  
for  
Under-  
graduate  
Students.*

Residence in the college buildings is required of all undergraduate students except those who reside with their families in Philadelphia or in the neighborhood. The expense of board and residence in the college halls for undergraduate students is three hundred and twenty-five dollars a year and upwards, according to the room or rooms occupied by the student; in about one-third of the college rooms the expense of board and residence is three hundred and twenty-five or four hundred dollars. Of this charge two hundred and twenty-five dollars is the charge for board, and is payable half-yearly in advance;

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\* Students that intend to take the degree of Bachelor of Arts in February will be charged only one half the regular tuition fee if they register this intention in the comptroller's office before beginning their college work, provided their entire academic work can be completed in the first semester.



the remainder is room-rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expense of furnishing, service, heating, and light.\*

The health of the students is under the charge of a Health Committee consisting of the President, the Dean of the College, the Director of Athletics, and the Physicians of the College. See page 185 of this Calendar.

Every student entering the college will be vaccinated unless she can furnish satisfactory proof that she has been successfully vaccinated not more than two years previously.

The conduct of the students in all matters not purely academic, or affecting the management of the halls of residence, or the student body as a whole, is in the hands of the Students' Association for Self-Government, which was organized in 1892. All persons studying in Bryn Mawr College, whether graduates or undergraduates, are members of this association.

The College reserves the right to exclude at any time students whose conduct or academic standing renders them undesirable members of the college community, and in such cases the fees due to the college are not refunded or remitted.

Plans and descriptions of the academic buildings and of the halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall West, Pembroke Hall East, and Rockefeller Hall, with a full account of the halls and tariff of rooms, are published as Part 4 of the Bryn Mawr College Calendar and may be obtained by application to the Secretary of the College. Each of the halls of residence (except Pembroke, which has a common dining-hall and kitchen for the two wings) has its separate kitchen and dining-hall, provides accommodation for from sixty to seventy students, and is under the charge of a resident warden. Application for rooms should be made as early as possible. The demand for rooms is very great and since every room unnecessarily reserved may prevent some other student from entering the college, every application for a room or suite of rooms, whether made by a student already in residence or by a candidate for admission to the college, must be accompanied by a deposit of fifteen dollars, otherwise the application will not be registered. The amount of this deposit will be deducted from the rent if the room or suite of rooms assigned

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\* Rugs and towels must be furnished by the students themselves.



be occupied by the applicant. The amount of this deposit will be refunded in the following cases:

a. If an applicant who is a student of the college gives formal notice to the Secretary of the College that she wishes to withdraw her application before the first of May preceding the academic year for which the application is made.

b. If a candidate who has applied for admission to the college in October gives formal notice to the Secretary of the College that she wishes to withdraw her application before the fifteenth of July preceding the academic year for which the application is made.

c. If a candidate who has applied for admission to the college in February gives formal notice to the Secretary of the College that she wishes to withdraw her application before the first of December preceding the semester for which the application is made.

In all other cases the deposit will be forfeited to the college.

The above mentioned deposit of fifteen dollars must also be made by each student in residence in order to insure the tenure of her room for the following academic year.\*

Every applicant giving up later than the first of September the room or suite of rooms assigned to her for the ensuing academic year is responsible for the rent thereof for the whole year; exception will be made only in the case of applicants that take, and fail to pass, the autumn examinations for matriculation, but even in this case the deposit cannot be refunded. Every applicant for a room in February will, with the above exceptions, be responsible for the rent of the room or suite of rooms assigned to her for one semester, unless she gives formal notice of withdrawal to the Secretary before the first of January. The charges for room-rent are not subject to remission or deduction under any circumstances, being considered forfeit in case of withdrawal for any cause whatever. The applicant is not entitled to relet the rooms thus left vacant, this right being reserved exclusively by the college, no refund being made to the applicant in case the room or suite of rooms thus left vacant are relet. Every student who changes her room is required to pay an extra fee of fifteen dollars.

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\* Every student except a member of the freshman class who moves from one hall to another is charged a fee of ten dollars for moving, and every student except a member of the freshman class who moves from one room to another in the same hall is charged a fee of five dollars. This fee entitles a student to have five pieces moved free of charge.

In case of prolonged illness and absence from the college extending over six weeks or more, there will be a proportionate reduction in the charge for board.

Rooms are assigned to members of the entering class who have already passed their entrance examinations during the summer preceding the academic year for which application is made. Candidates who do not complete their examinations until the autumn will be assigned rooms then if any rooms chance to be vacant. No particular room or set of rooms may be applied for. Applicants are allowed to choose in turn from among all the rooms left vacant, the order of choice being determined by the date at which the application is registered. Cheques should be drawn payable to Bryn Mawr College.

Students are expected to provide their own rugs and towels, but in every other respect the rooms are completely furnished. Electric reading lamps, table napkins, sheets, etc., are provided by the college. No part whatever need be taken by the students in the care of their own rooms.

There are open fire-places in nearly all the studies and in many single rooms, but the rooms are sufficiently heated by steam; the air in each room is changed every ten minutes, and the temperature is regulated by a thermostat in each room. Electric reading lamps are provided in every room. The students' personal washing may be done by any laundry recommended by the college for 50 cents a dozen, or about \$8 a half-year for one dozen pieces a week. On account of the danger of infectious diseases students in residence are not permitted to send their washing to private laundresses.

No charge is made for sending meals to students that are in the infirmaries by the order of the physicians of the college.

Students are not permitted to occupy their rooms during the Christmas vacation. Accommodation is provided for students that wish to remain at the college during the Christmas vacation at \$1.50 a day or \$10.00 a week. During the Easter vacation the halls of residence are kept open and undergraduate and graduate students may occupy their own rooms at the above rate. Graduate students staying to work during the Easter vacation may have board and room at the special rate of \$7.00 per week.

Students who expect to spend any part of the Christmas or Easter vacations in Bryn Mawr, Philadelphia, or the immediate neighborhood, not in their own homes and not in the college halls of residence, are required to consult the Secretary in regard to the arrangements that they wish to make.

### For undergraduate students the fees are as follows:

|   |           |
|---|-----------|
| Tuition for the academic year, payable October 1st.....   | \$200.00  |
| Room-rent for the academic year, payable October 1st.....   | \$100.00* |
| or \$175, \$200, \$225, \$250, \$275, \$300, \$325, \$350, \$400, depending<br>on the room or rooms occupied. |           |
| Infirmary fee for the academic year, payable October 1st.....   | \$ 10.00  |
| Board for the academic year, payable in equal instalments, October<br>1st and February 1st.....               | \$225.00  |
| Total for tuition, residence, and infirmary fee for the academic<br>year with minimum room-rent.....          | \$535.00  |

### *Summary of Expenses for Under- graduate Students.*

\* In about one-sixth of the college rooms the rent is \$100, making the cost of board, residence, and tuition for undergraduate students \$525 but students desiring to apply for rooms at \$100 must file a statement at the president's office that they are unable to afford rooms at a higher price.

|  |          |
|--|----------|
| Laboratory fees, for laboratory course of less than four hours a week for the academic year..... | \$ 10.00 |
| For laboratory course of four or more hours a week for the academic year.....                    | \$ 20.00 |
| Graduation fee.....  | \$ 20.00 |

The fees are due on the first day of each semester and students whose fees are not paid before November first in the first semester or before March first in the second semester are not permitted to continue in residence or in attendance on their classes.

### **Loan Fund.**

THE STUDENTS' LOAN FUND OF BRYN MAWR COLLEGE was founded by the Class of 1890 for the purpose of receiving contributions, however small, from those who are interested in aiding students to obtain an education. The money thus contributed is distributed in the form of partial aid, and as a loan. It is as a rule applied to the assistance of those students only who have attended courses in the college for at least one year. The fund is managed by a committee consisting of the President of the College and representatives of the Alumnae Association of Bryn Mawr College. The committee reports yearly to the Board of Trustees and to the Alumnae Association. The committee consists of the following members: President M. Carey Thomas; Miss Martha G. Thomas, Secretary and Treasurer, Bryn Mawr College; Miss Anne Hampton Todd, 2115 Spruce Street, Philadelphia; Mrs. Edward Wyatt Evans, 151 E. Coulter Street, Germantown, Philadelphia; Miss Ethel Pew, Morris Avenue, Bryn Mawr, Pa., and Miss Kathrine Leonard Howell, 3307 Hamilton Street, Philadelphia. Contributions may be sent to any member of the committee. Applications for loans should be sent to the Treasurer of the committee, and all applications for loans for any given year should be made before April 20th, of the preceding academic year.

### **Scholarships.**

SCHOLARSHIPS.—Four competitive entrance scholarships, of the value of \$100 each, are awarded annually to candidates receiving their final certificates in the spring matriculation examinations of Bryn Mawr College. One is open to candidates from each of the following districts:—(a) The New England States; (b) New York, New Jersey, and Delaware; (c) Ohio, Indiana, Illinois, Michigan, and Wisconsin, and the States west of the Mississippi River; (d) Pennsylvania and all places not included in (a), (b), and (c). The district to which a candidate is considered to belong is determined by the school at which she receives her final preparation, or in case of preparation by private study by the place of residence during the year preceding the final examination; but candidates may present themselves for examination at any place where such examination is held. These scholarships, which are to be held for one year only, are awarded in each of the above named districts on the basis of the sum total of marks obtained by the candidate, but no one is eligible for a scholarship who has received more than two conditions in the twenty sections of the examination. When the examination has been divided no account is taken of those conditions incurred in the first division which have been passed off in the final examination. The competition is limited to those who intend to spend at least one year in residence at Bryn Mawr College, who have not studied at any other college, and have not cancelled any division of the Bryn Mawr College matriculation examinations. All those who present themselves are *ipso facto* candidates for these scholarships, no formal declaration of candidacy being required.

Eight scholarships for non-resident students of \$200 each, entitling the holder to free tuition, renewable for four consecutive years, were founded by the College in 1893, and were presented to the public schools of Philadelphia through Dr. Brooks, the Superintendent of the Public Schools of Philadelphia, on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examination of Bryn Mawr College in the High School for Girls, Philadelphia; 2. She shall have been recommended by the Board of Education of Philadelphia, and their recommendation shall have been approved by the Directors of Bryn Mawr College; 3. The scholarship shall be renewed annually by the Directors, until the holder has completed her fourth year at college, provided her conduct and academic work have been satisfactory to the authorities of the college.



The L. C. B. Saul Memorial Scholarship. In 1893 the Alumnae Association of the Girls' High and Normal School of Philadelphia founded at Bryn Mawr College a scholarship entitling the holder to free tuition, renewable for four years. This scholarship is awarded every four years to the graduate of the Girls' High School who passes the matriculation examination of Bryn Mawr College for that year with the highest credit. In 1904 the scholarship was renamed the L. C. B. Saul Memorial Scholarship.

One scholarship of \$200 entitling the holder to one year's free tuition, was founded by the College in 1895, and was presented to the School Board of Education of Lower Merion Township, Montgomery County, Pa., for the benefit of graduates of the High School of Lower Merion Township, Ardmore, Pa., on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examinations in the Lower Merion High School; 2. She shall have been recommended by the School Board of Education of Lower Merion Township, and their recommendation shall have been approved by the Directors of Bryn Mawr College; 3. If in any year there shall be, in the judgment of the School Board of Education of Lower Merion Township, no satisfactory candidate in the graduating class, the scholarship may be renewed during the following year for the benefit of a former holder, provided her conduct and academic work have been satisfactory to the authorities of the college.

One scholarship of \$200 entitling the holder to one year's free tuition was founded by the Directors in 1909 and was presented to the School Board of Education of Norristown, Pa., for the benefit of graduates of Norristown High School, on the following terms: 1. That the candidate shall have received all her preparation for Bryn Mawr College in the Norristown High School; 2. That she shall have successfully passed the entrance examinations of Bryn Mawr College not later than the June preceding the autumn in which she wishes to enter the college; 3. That this scholarship shall not be awarded twice to the same person unless the Superintendent of Schools shall file in the office of the President of the College a statement to the effect that no other member of the graduating class is able to compete for the scholarship; 4. That the candidate shall have been nominated to the Board of Directors of Bryn Mawr College by the Superintendent of Schools or by the Board of Education and that such nomination shall have been duly approved by the Board of Directors of Bryn Mawr College.

One competitive scholarship of the value of \$200, renewable till graduation, is open annually for competition to members of the Society of Friends who are unable to pay the full charge for tuition and residence. This scholarship is awarded, as far as possible, under the same rules as those governing the award of the competitive entrance scholarships of Bryn Mawr College. Two additional scholarships of the value of \$200 each are open for competition to graduate students who are members of the Society of Friends and need financial assistance. Three scholarships, of \$400 each, for one year, are open to those graduates of Earlham, Penn., and Guilford Colleges respectively, who in the preceding year have completed the course of their several colleges with most distinction. These scholarships have been established by the Trustees in accordance with the desire of the Founder of the college to promote the advanced education of women in the Society of Friends, of which he was a member.

Scholarships of the value of \$500 each were founded in 1885 by the Board of Managers of the Bryn Mawr School, of Baltimore, Maryland. One of these scholarships is open annually to the graduate of the Bryn Mawr School who has completed the school course with most distinction.

The James E. Rhoads Memorial Scholarships two in number, each of the value of \$250 for one year, were founded in 1897 by the Alumnae Association of Bryn Mawr College, in memory of the first President of the College, Dr. James E. Rhoads. The first of these scholarships is the James E. Rhoads Sophomore Scholarship, and is open to those students only who have completed college work amounting to not less than ten and not more than twenty-two and a half hours (three semesters' work) for a year, and have been in attendance upon lectures at Bryn Mawr College not less than one semester. The second of these scholarships is the James E. Rhoads Junior Scholarship, and is open to those students only who have completed college work amounting to not less than twenty and not more than thirty-seven and a half hours (five semesters' work) for a year, and have been in attendance



upon lectures at Bryn Mawr College not less than three semesters. To be eligible for either of these two scholarships a student shall have attained a high degree of excellence in her work, shall express her intention of fulfilling the requirements for the degree of A.B. at Bryn Mawr College, and shall prove her need of financial aid to the satisfaction of the nominating committee. In case either scholarship is awarded to a non-resident student, its value shall not exceed \$150. The nominating committee consists of the President of Bryn Mawr College, two members of the Academic Council of the College, appointed annually by the Council, the President of the Alumnae Association of Bryn Mawr College and three other members of the Alumnae Association appointed by the executive committee of the Alumnae Association. Applications for the scholarships should be addressed to the Assistant to the President, Bryn Mawr College, to be forwarded to the Chairman of the Committee.

The Mary E. Stevens Scholarship of the value of \$160 founded in 1896 by former pupils of Miss Mary E. Stevens's School is awarded to a member of the Sophomore class who needs financial assistance, to be held at Bryn Mawr College, during the junior year. It is open to those students only who have registered for college work amounting to not less than forty and not more than sixty-five hours for a semester and have been in attendance upon lectures at Bryn Mawr College not less than three semesters. Applications for this scholarship should be addressed to the President of Bryn Mawr College.

Two Maria Hopper Scholarships of the value of \$200 each were founded in 1901 by the bequest of the late Maria Hopper of Philadelphia. They are awarded, on the ground of excellence in scholarship, to two members of the freshman class who need financial assistance, to be held at Bryn Mawr College during the sophomore year. They are open to those students only who have registered for college work amounting to not less than twenty and not more than forty-five hours for a semester and have been in attendance upon lectures at Bryn Mawr College not less than one semester. Applications for these scholarships should be addressed to the President of Bryn Mawr College.

The Anna M. Powers Memorial Scholarship of the value of \$200 was founded in 1902 by Mrs. J. Campbell Harris in memory of her mother, Anna M. Powers. The scholarship is open to members of the junior class who need financial aid in order to complete the work for the degree and is to be held in the senior year. The holder is nominated by the donor subject to the approval of the President and Faculty of the College.

The Maria L. Eastman Brooke Hall Memorial Scholarship of the value of \$100 was founded in 1901, in memory of Maria L. Eastman, Principal of Brooke Hall School for Girls, Media, Pa., by the Alumnae and former pupils of the school. It is awarded each year on the ground of scholarship, irrespective of the need of financial aid, to a member of the junior class to be held during the senior year. No application for the scholarship is necessary.

The Charles E. Ellis Scholarships of the value of \$200 each were founded in 1909 by the bequest of the late Charles E. Ellis and are awarded on the recommendation of the Superintendent of the Public Schools of the City of Philadelphia to students educated in the public schools of Philadelphia who have passed the entrance examinations of Bryn Mawr College and whose nomination has been approved by the Board of Directors of the Trustees of Bryn Mawr College.

A special Thomas H. Powers Memorial Scholarship of the value of \$200 was given in 1910 by Mrs. J. Campbell Harris in memory of her father, Thomas H. Powers. The holder is nominated by the donor subject to the approval of the President and Faculty of the College.

The George W. Fetter Memorial Scholarship of the value of \$200 was given in 1911 by Mrs. George W. Fetter in memory of her husband. It is awarded to a student selected by the donor subject to the approval of the President and Faculty of the College and is renewable for four consecutive years if the holder's record prove satisfactory.

The Anna Hallowell Memorial Scholarship of the value of \$100 was founded in 1912 by the family of the late Anna Hallowell. It is awarded to a member of the sophomore class in need of financial assistance to enable her to continue her studies during her junior year, and is to be given by the faculty to the student satisfying the above requirement who has the highest academic record provided that this student does not hold any other scholarship. This provision may, however, be disregarded in case of great financial need.

The Frances Marion Simpson Scholarships, four in number, each of the value of \$200, were founded in 1912 by Mr. Alexander Simpson, Jr., in memory of Frances Simpson Pfahler, of the class of 1906; one scholarship is to be awarded in October, 1912, a second in October, 1913, a third in October, 1914, and a fourth in October, 1915, to candidates who receive their final certificates in the preceding spring matriculation examination. Competition for these scholarships is open only to residents of Philadelphia and Montgomery counties who have been prepared for Bryn Mawr College in the public schools of the said counties, or at home by their parents and guardians, or in the model school of the Department of Education of Bryn Mawr College, or in Miss S. Janet Sayward's School at Overbrook, Pennsylvania; and only those students who are unable or whose parents are unable to afford to pay the fees for tuition in Bryn Mawr College are entitled to compete.

The scholarships are renewable for four successive years, and are meant for those students only who take the full college course. Students holding the scholarships who become able to pay the tuition fees of Bryn Mawr College in whole or in part are required to do so, and all holders of the scholarships are required to promise to repay for the benefit of other students in need of the scholarship, the advances made to them, when they can do so without oppressing themselves or neglecting their duties to others.

The Mary Anna Longstreth Memorial Scholarship of the value of \$200 was founded in 1913 by the Alumnae of the Mary Anna Longstreth School, the children of Alumnae, and a few of her friends in grateful memory of Mary Anna Longstreth. The scholarship, which provides free tuition for one student, is to be awarded each year to a member of the entering class who needs financial aid to undertake her college course.

The Elizabeth Duane Gillespie Scholarship in American History of the value of \$60 was founded in 1903 by the Pennsylvania Society of Colonial Dames of America, in memory of Elizabeth Duane Gillespie. It is awarded annually to a member of the sophomore or junior class, on condition that the holder of the scholarship devote to the study of American history at least four hours a week for one year during the last two years of her college course. The candidate is to be selected by the Faculty of Bryn Mawr College on the ground of excellence in scholarship.

The Woman's Medical College of Pennsylvania presented to Bryn Mawr College in 1910 a scholarship to be awarded to a graduate of the college recommended by the President and Faculty as in their opinion qualified to take up the study of medicine. The holder is given free tuition for one year at the Woman's Medical College of Pennsylvania and the scholarship will be renewed for the three remaining years of the medical course if the holder's record prove satisfactory.

FOUNDATION OF SCHOLARSHIPS.—The sum of five thousand dollars given or left by will to the Directors of Bryn Mawr College, will found a perpetual scholarship giving free tuition to one student every year. The scholarship may be given in memory of and named after any person designated by the donor.

### FORM OF BEQUEST.

*I give and bequeath to The Trustees of Bryn Mawr College, a corporation established by law in the State of Pennsylvania, the sum of.....to be invested and preserved inviolably for the endowment\* of Bryn Mawr College, located at Bryn Mawr, Pennsylvania.*

*Dated.....*

\* The bequest may be made, if desired, for foundation of professors' chairs, scholarships, fellowships, or for some other specified purpose.

## INSTRUCTION.

*Libraries.* The fact that the college is situated in the suburbs of Philadelphia enables the student to make use of all the resources of the libraries of Philadelphia, as well as those of the college proper.

The college library has been collected within the past twenty-nine years, and is designed to be, as far as possible, a library for special study. There are at present on its shelves about seventy-two thousand bound volumes, and ten thousand doctor's dissertations and pamphlets, the collection including the classical library of the late Professor Sauppe, of Göttingen, which was presented to the college in 1894, and the Semitic library of the late Professor Amiaud, of Paris, acquired in 1892. A more detailed description of these two collections may be found on pages 92 and 130.

The books needed principally for graduate and research work are shelved in the fourteen seminary libraries and the books on physics, chemistry, geology, and biology in the departmental libraries in Dalton Hall adjoining the laboratories in these subjects. The books of reference, sets of periodicals, and proceedings of societies and the main collection of the library are kept in the stack room.

In each of the six halls of residence are collections of from five to six hundred volumes each, consisting of books useful to undergraduate students, not only supplementing their private libraries, but duplicating such books in the general library as are most used. A seventh collection of this character is kept in the main library for the use of non-resident students.

Students may take from the general and departmental libraries for periods of two weeks each, any books except reference books and books reserved for special use. Books in the hall libraries and books reserved for special use may be taken for two hours.

The sum of about seven thousand dollars is expended yearly for books under the direction of the heads of the several collegiate departments, and, in addition to many gifts of books, about twenty thousand dollars has been presented to the library during the past ten years for expenditure in special departments. Over four hundred publications and reviews in the English,



German, Greek, French, Italian, Spanish, Norse, and Swedish languages, are taken by the library, as follows:

*General and Miscellaneous Periodicals.*

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| <p>Abhandlungen der Königlichen Bayerischen Akademie der Wissenschaften zu München.<br/>Academy.<br/>American Magazine.<br/>*Amherst Graduates' Quarterly.<br/>Annales Politiques et Littéraires.<br/>Athenæum.<br/>Atlantic Monthly.<br/>*Bibliothèque de la Faculté des Lettres de l'Université de Paris.<br/>Bookman.<br/>Bookman (English).<br/>*Book News Monthly.<br/>Bookseller.<br/>*Bryn Mawr Alumnae Quarterly.<br/>Blätter des deutschen Theaters.<br/>Bulletin of Bibliography.<br/>*Bulletin of the New York Public Library.<br/>*Bulletin of the Pan-American Union.<br/>Century.<br/>Collier's Weekly.<br/>*Columbia University Quarterly.<br/>Contemporary Review.<br/>Country Life in America.<br/>La Cultura.<br/>Cumulative Book Index.<br/>Deutsche Rundschau.<br/>Dial.<br/>Drama.<br/>English Review.<br/>Everybody's Magazine.<br/>Fortnightly Review.<br/>Forum.<br/>Göttingische Gelehrte Anzeigen.<br/>Harper's Monthly Magazine.<br/>Harper's Weekly.<br/>Harvard Graduate's Magazine.<br/>L'Illustration.<br/>Index to Dates.<br/>Independent.<br/>Internationale Wochenschrift für Wissenschaft, Kunst u. Technik.<br/>Jahresverzeichniss der an den deutschen Schulanstalten erschienenen Abhandlungen.<br/>*Johns Hopkins University, Circulars.<br/>Library Journal.<br/>Masses.<br/>McClure's Magazine.</p> | <p>Mercure de France.<br/>*Mind and Body.<br/>Monthly Bulletin of the Carnegie Library of Pittsburgh.<br/>Münchener allgemeine Zeitung.<br/>Nachrichten von der Königlichen Gesellschaft der Wissenschaften, Göttingen.<br/>Nation.<br/>Neue Rundschau.<br/>Nineteenth Century.<br/>North American Review.<br/>Notes and Queries.<br/>Nuova Antologia.<br/>Outlook.<br/>*Pennsylvania Library Notes.<br/>Preussische Jahrbücher.<br/>Publishers' Weekly.<br/>Punch.<br/>Quarterly Review.<br/>Reader's Guide to Periodical Literature.<br/>Review of Reviews.<br/>Revue Critique d'Histoire et de Littérature.<br/>*Revue Critique des Livres Nouveaux.<br/>Revue de Paris.<br/>Revue des Deux Mondes.<br/>Revue Politique et Littéraire: Revue Bleue.<br/>Saturday Review.<br/>Scribner's Magazine.<br/>Sewanee Review.<br/>Sitzungsberichte der Königlichen Bayerischen Akademie der Wissenschaften.<br/>Sitzungsberichte der Königlichen Preussischen Akademie der Wissenschaften zu Berlin.<br/>Spectator.<br/>Der Türmer.<br/>*Tipyn o' Bob.<br/>*University of California, Publications.<br/>*University of Colorado, Studies.<br/>*University of Missouri, Studies.<br/>*University of Nebraska, Studies.<br/>*University of Nevada, Studies.<br/>*University of Texas, Studies.<br/>*University of Washington, Studies.<br/>Westminster Review.<br/>Die Woche.<br/>World's Work.</p> |
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*Newspapers.*

\*Bryn Mawr Record.  
New York Evening Post.  
New York Times.

New York Tribune.  
Philadelphia Public Ledger.

*Art and Archaeology.*

American Journal of Archaeology.  
Bulletin de Correspondance hellénique.  
Bulletin of the Archaeological Institute of America.  
\*Bulletin of the Metropolitan Museum of Art, New York.  
Burlington Magazine.  
Ephemeris Archaeologica.  
Gazette des Beaux Arts.  
Jahrbuch des Kaiserlich deutschen archäologischen Instituts.  
Jahresbericht über die Fortschritte der classischen Alterthumswissenschaft.  
Jahreshefte des österreichischen archäologischen Instituts in Wien.

Journal of Hellenic Studies.  
Mittheilungen und Nachrichten des Deutschen Palästina Vereins.  
Mittheilungen des Kaiserlich deutschen archäologischen Instituts, Athenische Abteilung.  
Mittheilungen des Kaiserlich deutschen archäologischen Instituts, Römische Abteilung.  
\*Museum of Fine Arts Bulletin, Boston.  
Notizie degli Scavi di Antichità.  
Revue Archéologique.  
Zeitschrift des Deutschen Palästina Vereins.

*Economics and Politics.*

\*Advocate of Peace.  
All Opinions of the U. S. Supreme Court.  
Allgemeines statistisches Archiv.  
American City.  
American Economic Review.  
American Federationist.  
American Journal of Sociology.  
American Labor Legislation Review.  
American Political Science Review.  
Annals of the American Academy of Political and Social Science.  
Bibliography of Social Science.  
\*Bulletin of the New York State Department of Labor.  
\*Bulletin of the University of Wisconsin, Economics and Political Science Series.  
Case and Comment.  
Charity Organization Review.  
\*City Club Bulletin.  
Columbia Law Review.  
Columbia Studies in History, Economics and Public Law.  
Economic Journal.  
Economic Review.  
Handbuch der öffentlichen Rechte.  
Harvard Law Review.  
International Socialist Review.

Jahrbücher für Nationalökonomie u. Statistik.  
Johns Hopkins University Studies in Historical and Political Science.  
Journal of Criminal Law.  
Journal of Political Economy.  
Journal of the Royal Statistical Society.  
Political Science Quarterly.  
Publications of the American Economic Association.  
Publications of the American Statistical Association.  
Quarterly Journal of Economics.  
Revue Bibliographique.  
\*Southern Workman.  
Survey.  
\*University of Missouri Studies, Social Science Series.  
\*University of Pennsylvania Publications, Series in Political Economy and Public Law.  
Vierteljahrsschrift für Philosophie u. Soziologie.  
Yale Review.  
Zeitschrift für Socialwissenschaft.  
Zeitschrift für Volkswirtschaft, Socialpolitik u. Verwaltung.

*Education.*

Education.  
Educational Review.  
Educational Times.

Elementary School Teacher.  
Journal of Educational Psychology.  
Journal of Pedagogy.

\*Journal of the Association of Collegiate  
Alumnæ.  
Lehrproben und Lehrgänge.  
Manual Training Magazine.  
Pädagogische Studien.  
Pedagogical Seminary.  
Revue Internationale de l'Enseignement  
Supérieur.

Revue Universitaire.  
School Review.  
\*University of California Publications,  
Education.  
Vocational Education.  
Zeitschrift für Pädagogische Psychologie.  
Zeitschrift für Schulgesundheitspflege.

### *History.*

American Historical Review.  
\*Bulletin of the University of Wisconsin,  
History Series.  
English Historical Review.  
Historical Manuscripts Commission, Re-  
ports.  
Historische Vierteljahrschrift.  
Historische Zeitschrift.  
\*Illinois State Historical Society Journal.  
Jahresberichte der Geschichtswissenschaft.

Klio, Beiträge zur alten Geschichte.  
Pennsylvania Magazine of History.  
Révolution Française.  
Revue des Etudes Napoléoniennes.  
Revue des Questions Historiques.  
Revue Historique.  
\*University of Pennsylvania Publications,  
Series in History.  
\*University of Toronto Studies, History  
and Economics.

### *Philology and Literature, Classical.*

Bulletin Bibliographique et Pédagogique  
du Musée Belge.  
Classical Journal.  
Classical Philology.  
Classical Quarterly.  
Classical Review.  
Classical Weekly.  
Harvard Studies in Classical Philology.  
Hermes.  
Jahresbericht über die Fortschritte der  
Klassischen Altertumswissenschaft.  
Journal of Hellenic Studies.  
Journal of Roman Studies.  
Le Musée Belge, Revue de Philologie  
Classique.

Mnemosyne.  
Philologische Untersuchungen.  
Philologus.  
Quellen und Forschungen zur lateinischen  
Philologie.  
Revue de Philologie.  
Revue des Etudes Grecques.  
Rheinisches Museum für Philologie.  
Rivista di Filologia.  
Studi Italiani di Filologia Classica.  
Studi Storici per l'Antichità Classica.  
Wiener Studien, Zeitschrift für klassische  
Philologie.  
Wochenschrift für klassische Philologie.

### *Philology and Literature, General and Comparative.*

American Journal of Philology.  
Berliner philologische Wochenschrift.  
Eranos.  
Indogermanische Forschungen.  
Journal of English and Germanic Philol-  
ogy.  
Journal of Philology.  
Neue Jahrbücher für das klassische Alter-  
tum, Geschichte und deutsche Literatur.  
Transactions of the American Philological  
Association.

\*University of Pennsylvania Publications,  
Series in Philosophy and Literature.  
Zeitschrift für das Gymnasialwesen.  
Zeitschrift für die österreichischen Gym-  
nasien.  
Zeitschrift für vergleichende Literatur-  
geschichte.  
Zeitschrift für vergleichende Sprachfor-  
schung.

### *Philology and Literature, Modern.*

Anglia.  
Anglistische Forschungen.  
Annales Romantiques.

Archiv für das Studium der neueren  
Sprachen.  
Archivio Glottologico Italiano.

Arkiv for Nordisk Filologi.  
 Beiblatt zur Anglia: Mitteilungen über  
 englische Sprache und Litteratur.  
 Beiträge zur Geschichte der deutschen  
 Sprache und Litteratur.  
 Bonner Studien zur englischen Philologie.  
 British Society of Franciscan Studies.  
 Bulletin de la Société des Anciens Textes  
 Français.  
 Bulletin hispanique.  
 Chaucer Society, Publications (both  
 series).  
 Deutsche Literaturzeitung.  
 Dialect Notes.  
 Early English Text Society Publications  
 (both series).  
 Englische Studien.  
 Euphoriön.  
 German American Annals.  
 Germanisch-romanische Monatsschrift.  
 Giornale Dantesco.  
 Giornale Storico della Letteratura Italiana.  
 Goethe Jahrbuch.  
 Jahrbuch der deutschen Shakespeare  
 Gesellschaft.  
 Jahrbuch des Vereins für niederdeutsche  
 Sprachforschung.  
 Jahresbericht über die Erscheinungen auf  
 dem Gebiete der germanischen Philo-  
 logie.  
 Journal of German Philology.  
 Kieler Studien zur englischen Philologie.  
 Korrespondenzblatt des Vereins für nieder-  
 deutsche Sprachforschung.  
 Kritischer Jahresbericht über die Fort-  
 schritte der romanischen Philologie.  
 The Library.  
 Literarische Echo.  
 Literarisches Centralblatt.  
 Literaturblatt für germanische und roman-  
 ische Philologie.

Le maître Phonétique.  
 Materialien zur Kunde des älteren Engli-  
 schen Dramas.  
 Modern Language Notes.  
 Modern Language Review.  
 Modern Philology.  
 Münchener Beiträge zur romanischen und  
 englischen Philologie.  
 Palaestra.  
 Poet-lore.  
 Praeger deutsche Studien.  
 Publications of the Modern Language  
 Association.  
 Quellen und Forschungen zur Sprach-  
 und Culturgeschichte der germanischen  
 Völker.  
 Rassegna Bibliografica.  
 Revue d'Histoire Littéraire de la France.  
 Revue des Etudes Rabelaisiennes.  
 Revue Germanique.  
 Revue Hispanique.  
 Romania.  
 Romanic Review.  
 Romanische Forschungen.  
 Schriften der Goethe Gesellschaft.  
 Scottish Text Society, Publications.  
 Société des Anciens Textes français, Pub-  
 lications.  
 Société des Textes Français Modernes,  
 Publications.  
 Studien zur englischen Philologie.  
 Wiener Beiträge zur englischen Philologie.  
 Zeitschrift für den deutschen Unterricht.  
 Zeitschrift für deutsche Philologie.  
 Zeitschrift für deutsches Altertum und  
 deutsche Litteratur.  
 Zeitschrift für deutsche Wortforschung.  
 Zeitschrift für französische Sprache und  
 Litteratur.  
 Zeitschrift für romanische Philologie.

### *Philology and Literature, Semitic.*

American Journal of Semitic Languages  
 and Literatures.  
 Babyloniaca.  
 Jewish Quarterly Review.  
 Proceedings of the Society of Biblical  
 Archæology.  
 Recueil d'archæologie orientale.

Recueil de Travaux relatifs à la Philologie  
 et à l'Archéologie égyptiennes et  
 assyriennes.  
 Zeitschrift für ägyptische Sprache und  
 Altertumskunde.  
 Zeitschrift für Assyriologie.

### *Philosophy and Psychology.*

American Journal of Psychology.  
 Année Psychologique.  
 Archiv für die gesamte Psychologie.  
 Archiv für Geschichte der Philosophie.  
 Archiv für systematische Philosophie.  
 Archives de Psychologie.  
 Archives of Psychology.

British Journal of Psychology.  
 Bulletin de l'Institut Psychologique.  
 International Journal of Ethics.  
 Journal de Psychologie.  
 Journal für Psychologie und Neurologie.  
 Journal of Abnormal Psychology.  
 Journal of Animal Behaviour.

Journal of Educational Psychology.  
 Journal of Philosophy, Psychology and  
 Scientific Methods.  
 Journal of Religious Psychology.  
 Logos.  
 Mind.  
 Monist.  
 Philosophical Magazine.  
 Philosophical Review.  
 Proceedings of the Aristotelian Society.  
 Psychological Bulletin.  
 Psychological Review.  
 Psychological Review; Monograph Sup-  
 plements.  
 Psychological Review; Psychological Index.  
 Psychologische Arbeiten.  
 Psychologische Studien.

Revue de l'Hypnotisme.  
 Revue de Métaphysique.  
 Revue de Psychothérapie.  
 Revue Philosophique.  
 \*Studies from the Yale Psychological Lab-  
 oratory.  
 \*University of California Publications,  
 Philosophy.  
 \*University of Toronto Studies, Psychology  
 Series.  
 Vierteljahrsschrift für wissenschaftliche  
 Philosophie.  
 Zeitschrift für angewandte Psychologie.  
 Zeitschrift für Psychologie und Physio-  
 logie der Sinnesorgane: 1. Abt., Zeit-  
 schrift für Psychologie. 2. Abt., Zeit-  
 schrift für Sinnesphysiologie.

### Religion.

American Friend.  
 American Journal of Religious Psychology  
 and Education.  
 American Journal of Theology.  
 †Association Monthly.  
 †Australasian Intercollegian.  
 \*Baptist Missionary Magazine.  
 Biblical World.  
 Bibliotheca Sacra.  
 \*Deaconess Advocate.  
 †Expositor.  
 Expository Times.  
 Friends' Missionary Advocate.  
 \*Hartford Seminary Record.  
 \*Harvard Theological Review.

†Herald of Gospel Liberty.  
 †Indian's Friend.  
 †Intercollegian.  
 Journal of Biblical Literature.  
 Journal of Theological Studies.  
 †Missionary Review.  
 Proceedings of the Society of Biblical  
 Archaeology.  
 \*Publications of the American Jewish  
 Historical Society.  
 Religious Education.  
 Revue Biblique.  
 \*Spirit of Missions.  
 \*Washington Chapel Chronicle.  
 \*Woman's Missionary Friend.

### Science, Biology.

American Journal of Anatomy.  
 American Journal of Physiology.  
 American Naturalist.  
 Anatomischer Anzeiger.  
 Archiv für Anatomie und Physiologie.  
 Archiv für die gesammte Physiologie.  
 Archiv für Entwicklungsmechanik der  
 Organismen.  
 Archiv für mikroskopische Anatomie.  
 Archiv für Protistenkunde.  
 Bibliographia Physiologica.  
 Biologisches Centralblatt.  
 Biometrika.  
 Botanische Zeitung. 1. Abtheilung.  
 Botanische Zeitung. 2. Abtheilung.  
 Botanisches Centralblatt.  
 \*Brown University, Contributions from the  
 Biological Laboratory.  
 Centralblatt für Physiologie.  
 Eugenics Laboratory Memoirs.

\*Illinois State Laboratory of Natural  
 History Bulletin.  
 Jahrbücher für wissenschaftliche Botanik.  
 Journal de Physiologie.  
 Journal of Biological Chemistry.  
 Journal of Experimental Medicine.  
 Journal of Experimental Zoology.  
 Journal of Genetics.  
 Journal of Morphology.  
 Journal of Physiology.  
 Journal of the Royal Microscopical Society.  
 Mittheilungen aus der Zoologischen Sta-  
 tion zu Neapel.  
 Quarterly Journal of Microscopical Science.  
 \*University of California Publications,  
 Physiology.  
 \*University of California Publications,  
 Zoology.  
 \*University of Pennsylvania, Contribu-  
 tions from the Botanical Laboratories.



- \*University of Pennsylvania, Contributions from the Zoological Laboratories.
- \*University of Toronto Studies, Biological Series.

- University of Toronto Studies, Physiological Series.
- Zeitschrift für wissenschaftliche Zoologie, Zoologischer Anzeiger.

### *Science, General.*

- American Journal of Science.
- Atti della Reale Accademia della Scienze di Torino.
- Bulletin de l'Académie Impériale des Sciences de St. Pétersbourg.
- Bulletin of the University of Wisconsin, Engineering Series.
- \*Bulletin of the University of Wisconsin, Science Series.
- Comptes Rendus des Séances de l'Académie des Sciences.
- Elisha Mitchell Scientific Society Journal.
- International Catalogue of Scientific Literature.
- Kansas University, Science Bulletin.
- Nature.

- \*New York State Museum Bulletin.
- \*Oklahoma University Research Bulletin.
- Philosophical Transactions of the Royal Society of London.
- Popular Science Monthly.
- Proceedings of the American Philosophical Society.
- Proceedings of the Royal Society of London.
- Science.
- \*Technology Review.
- \*University of Missouri Studies, Science Series.
- Verhandlungen der physikalisch-medizinischen Gesellschaft zu Würzburg.

### *Science, Geology, and Geography.*

- Centralblatt für Mineralogie.
- Economic Geology.
- Geographical Journal.
- Geological Magazine.
- Geologisches Centralblatt.
- \*Georgia Geological Survey Bulletin.
- \*Illinois Geological Survey Bulletin.
- Journal of Geography.
- Journal of Geology.
- Meteorologische Zeitschrift.
- Mineralogical Magazine.

- Mineralogische und petrographische Mittheilungen.
- National Geographic Magazine.
- Neues Jahrbuch für Mineralogie, Geologie und Paläontologie.
- Philadelphia Geographical Society Bulletin.
- Quarterly Journal of the Geological Society.
- \*U. S. Monthly Weather Review.
- \*University of Toronto Studies, Geological Series.

### *Mathematics, Chemistry, and Physics.*

- Acta Mathematica.
- American Journal of Mathematics.
- Annalen der Chemie.
- Annalen der Physik.
- Annales de Chimie et de Physique.
- Annales Scientifiques de l'Ecole Normale Supérieure.
- Annali di Matematica.
- Astrophysical Journal.
- Beiblätter zu den Annalen der Physik.
- Berichte der deutschen chemischen Gesellschaft.
- Bibliotheca Mathematica.
- Bollettino di Bibliografia e Storia delle Scienze Matematiche.
- Bulletin de la Société Chimique de France.
- Bulletin de la Société Mathématique.
- Bulletin des Sciences Mathématiques.

- Bulletin of the American Mathematical Society.
- Cambridge Tracts in Mathematics.
- Chemical Abstracts.
- Chemisches Zentralblatt.
- Giornale di Matematiche.
- Jahrbuch über die Fortschritte der Mathematik.
- Jahresbericht der deutschen Mathematiker Vereinigung.
- Jahresbericht über die Fortschritte der Chemie.
- Journal de Mathématiques.
- Journal de Physique.
- Journal für die reine und angewandte Mathematik.
- Journal für praktische Chemie.
- Journal of the Chemical Society.
- Journal of Physical Chemistry.

Kolloidzeitschrift.  
 Mathematische Annalen.  
 Messenger of Mathematics.  
 Monatshefte für Chemie.  
 Physical Review.  
 Physikalische Zeitschrift.  
 Proceedings of the London Mathematical Society.  
 Quarterly Journal of Mathematics.  
 Rendiconti del Circolo Matematico di Palermo.  
 Science Abstracts.

Transactions of the American Mathematical Society.  
 \*U. S. Bureau of Standards Bulletin.  
 \*University of Pennsylvania Publications, Astronomical Series.  
 \*University of Toronto Studies, Papers from the Chemical Laboratories.  
 \*University of Toronto Studies, Papers from the Physical Laboratories.  
 Zeitschrift für anorganische Chemie.  
 Zeitschrift für Elektrochemie.  
 Zeitschrift für Mathematik und Physik.  
 Zeitschrift für physikalische Chemie.

The library is open daily from eight A.M. to ten P.M. Books may be taken out by the students unless specially reserved for library reference use.

There are in Philadelphia the following important libraries which are available for students:

The *Philadelphia Library Company*, which contains about 235,000 volumes and 30,000 pamphlets, and is at all times open to the students for consultation. Private subscription, for four volumes, \$12 a year, or \$10 for nine months.

The *Mercantile Library*, which contains about 190,000 volumes and 10,000 pamphlets. Private subscription, \$5.00 a year for two separate works at a time.

The *Library of the Academy of Natural Sciences*, which contains about 68,000 volumes. The Council of the Academy has generously conceded the use of its library and of its museum to the students of Bryn Mawr College.

The *Library of the University of Pennsylvania*, which contains about 320,000 volumes and 50,000 pamphlets. The custodians of this library have always shown great courtesy in placing rare volumes at the disposal of the college.

The *Free Library of Philadelphia*, which contains about 375,000 volumes and 89,000 pamphlets, and is at all times open to the students for consultation.

The *American Philosophical Society Library*, which contains about 53,000 volumes, admission by card.

The *Historical Society of Pennsylvania Library*, which contains over 80,000 volumes, and 200,000 pamphlets, is for reference only.\* Every courtesy is extended to members of the college.

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\* Presented by the Publishers.

*Courses  
of  
Study.*

There are offered each year to undergraduates major courses of five hours a week, for two years, in the following subjects: Greek, Latin, English, German, French, Italian and Spanish, Comparative Literature, Modern History, Ancient History, Economics and Politics, Philosophy, Psychology, Classical Archæology, History of Art, Mathematics, Physics, Chemistry, Geology, and Biology; and elective courses in the above and in Biblical Literature, Experimental Psychology, and Education.

Graduate courses are offered in Sanskrit, and Indo-European Philology, Greek, Latin, English Philology including Anglo-Saxon, Early and Middle English, English Literature, German Literature, Gothic, Teutonic Philology, Old Norse, Old High German, Middle High German, Old Saxon, Modern and Old French, Italian, Spanish, and other Romance Languages, Comparative Literature, Hebrew, Aramaic, Assyrian, Biblical Literature, History, Economics and Politics, Philosophy, Psychology, Education, Classical Archæology, Mathematics, Physics, Chemistry, Physical Chemistry, Geology, Mineralogy, Palæontology, Morphology, Physiology, and Physiological Chemistry.

*Courses in  
Language  
and  
Literature.*

The courses in language and literature are meant, first of all, to be complete in themselves and extensive enough to meet the needs of special students, and secondly, to facilitate the study of comparative philology or of comparative literature. Whenever it has been practicable, as in Greek and Latin and in the modern languages, one half of the major course has been devoted to strictly linguistic studies, and the other half to the history of literature. The group work in English is constructed on this model, one half of the course being devoted to philology, and the other half to literary interpretation. Courses of parallel reading are required of all students of language and literature, precisely as laboratory work is required of the students of chemistry or biology; these courses are intended to acquaint the students with the works of numerous authors, and it is especially hoped that students of Greek and Latin will, by this means, accustom themselves to read these languages without assistance.

The courses in ancient and modern languages are of equal difficulty, and are placed on a footing of equality. The traditional



separation between ancient and modern languages has been disregarded, because, although strictly classical students may always be inclined to combine Greek and Latin, there is, nevertheless, no modern literature of which the study may not fitly be preceded, or supplemented, by the study of Latin or Greek.

Whenever possible, as in the courses in Greek, Latin, English, German, and French literature, in history, politics, philosophy, the history of art, mathematics, and science, the instruction is given by means of lectures. *Lectures.* It is the object of these lectures to give a clear and succinct statement of facts and principles; to enumerate and criticise with frankness hand-books, authorities, and editions; to bring the student's knowledge up to date, and to inform her, step by step, what things have been definitely ascertained and what things remain to be investigated. It is intended that the notes taken on these lectures, in addition to their immediate practical use, shall be of lasting value for reference, and be the starting-point, or at least the schedule, of studies to be undertaken at some future day. Every isolated student knows how difficult it is to be initiated into the modern scholastic movement otherwise than orally; therefore, in addition to the lectures, the several instructors appoint certain hours in which the students may consult them freely. The lectures are accompanied by class work, prescribed reading, and by frequent examinations; they are strictly special, not popular.

The Professors or Associates appointed are the recognised heads of their departments, and only such instructors have been chosen as are qualified to direct both graduate and undergraduate work.

The undergraduate and graduate courses offered in the years 1913-14 and 1914-15 are as follows: *Courses of Instruction.*

### Sanskrit, Greek, and Latin.

Professors and instructors: Dr. Arthur Leslie Wheeler, Dr. Henry Nevill Sanders, Dr. Wilmer Cave Wright, Dr. George A. Barton, Dr. Tenney Frank, Dr. James Fulton Ferguson, Miss Abby Kirk, Dr. Roland G. Kent, and Dr. Mary Hamilton Swindler.

Exceptional facilities for the study of all departments of classical philology are offered by the large classical library owned



by the college. The greater part of this library is formed by the well-known collection of the late Professor Hermann Sauppe, of Göttingen, which was acquired in 1894. This has been supplemented by purchases made by the college library, so that the classical library now numbers some seven thousand volumes, including complete sets of most of the important journals, and about seven thousand dissertations and monographs.

### Sanskrit and Comparative Philology.

The instruction in this department is under the direction of Dr. Roland G. Kent, Non-resident Lecturer in Sanskrit.

#### GRADUATE COURSES.

#### **Graduate Courses.**

Lectures on Comparative Philology and Philological Seminary.

*Two hours a week throughout the year.*

Students entering this course are expected to be familiar with German and French; a short preliminary course in Sanskrit is also of great aid to the student. The lectures on comparative philology treat of the connection of the Greek and Latin languages with the related languages of the Aryan group, first, phonetically, secondly, from the point of view of grammatical forms, and lastly, from the point of view of syntax. In the first part of the course, which covers what during the past years has been the field of the most active research, the student is introduced to the latest theories and discoveries in Aryan phonetics, and is expected to read and criticise the articles appearing from time to time in the philological journals, and to prepare reports on these articles. The same method is pursued during the investigation of the history of forms; and in the third part of the course the student begins the study of comparative syntax by a close comparison of the use of cases and verbal forms in Sanskrit, Greek, and Latin.

Elementary Sanskrit.

*Two hours a week throughout the year.*

Whitney's *Grammar* is used, and the classical selections from Lanman's *Reader* are read. Lectures are given on the phonology and morphology of Sanskrit.

The courses in Comparative Philology and in Elementary Sanskrit will not, as a rule, be given in the same year.

Second Year Sanskrit.

*One or two hours a week throughout the year.*

The Vedic selections in Lanman's *Reader* are read, with some additional hymns from the *Rigveda*. Selections from the classical literature are read at sight. Exercises in etymology are given to supplement the lectures on the phonology.

Advanced Sanskrit.

*Two hours a week throughout the year.*

Selected texts are read: the *Bhagavad-Gītā*; Kālidāsa's *Ākuntalā*, Acts I and II, with a careful study of the Prākṛit; selected hymns of the *Atharvaveda*. During the second term the course is conducted as a seminary, with use of the native commentaries.

### Greek.

The instruction in this department is under the direction of Dr. Henry Nevill Sanders, Professor of Greek; Dr. Wilmer Cave Wright, Associate Professor of Greek; Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Miss Abby Kirk, Reader in Elementary Greek. The instruction offered in Classical Greek covers twenty-six hours of lec-

tures and recitations a week apart from courses in Classical Archæology and New Testament Greek; it includes five hours a week of Matriculation Greek; ten hours a week of undergraduate major and minor work; five hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in Greek; and six hours a week of graduate work.

A course of five hours a week throughout the year is provided for those students that wish to study Greek, and whose examination for matriculation did not include it. Grammar and Composition are studied. Xenophon's *Anabasis* or *Memorabilia* and selections from Homer are read. Students may substitute for this course the minor, or first year's course in Latin. Either the matriculation course in Greek or the minor course in Latin is required of all candidates for the degree of Bachelor of Arts that have not passed the matriculation examination in Greek. This course is given by Miss Kirk under the direction of Dr. Wright.

**Matriculation Course.**

#### FIRST YEAR.

(Minor Course.)

##### 1st Semester.

(Given in each year.)

Plato, *Phædo*, and Greek Prose Composition, Dr. Sanders. *Two hours a week,*

Sophocles, *Antigone*, Dr. Sanders. *One hour a week.*

Homer, *Odyssey*, Dr. Wright. *Two hours a week.*

(May be taken as a free elective.)

**Major Course.**

The Greek courses may not be offered for examination for advanced standing without class attendance.

Private reading: Euripides, *Alcestis*, ll. 1 to end must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 1-475 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 1-728 must be read by students taking the courses in Plato and in Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

##### 2nd Semester.

Euripides, *Medea*, and Greek Prose Composition, Dr. Sanders.

*Two hours a week.*

Herodotus, Dr. Sanders.

*One hour a week.*

Homer, *Iliad*, Dr. Wright.

*Two hours a week.*

(May be taken as a free elective.)

The Greek courses may not be offered for examination for advanced standing without class attendance.

Private reading: Sophocles, *Philoctetes*, ll. 1-1080 and 1218-1313 must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 476-961 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 729 to end must be read by students taking the courses in Euripides and Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

## SECOND YEAR.

## 1st Semester.

(Given in each year.)

Demosthenes, Dr. Sanders.

Two hours a week.

In and after the year 1914-15 work in Greek prose composition will be given in connection with this course.

Aristophanes, *Knights*, Dr. Sanders.

One hour a week.

History of Greek Literature, Ionio-Dorian, and Attic periods, Dr. Wright.

Two hours a week.

No student is admitted to any part of the major course in Greek who has not completed all the work of the minor course.

Private reading: Æschylus, *Prometheus Vincit*, ll. 1 to end must be read by students taking the five-hour course; Æschylus, *Persæ*, ll. 1-680 must be read by students taking the courses in Demosthenes and Aristophanes, omitting the course in Greek literature; Æschylus, *Prometheus Vincit*, ll. 1-436 must be read by students taking the course in Greek literature, omitting the courses in Demosthenes and Aristophanes. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

## 2nd Semester.

Thucydides, Dr. Sanders.

Two hours a week.

In and after the year 1914-15 work in Greek prose composition will be given in connection with this course.

Sophocles, *Ædipus Coloneus*, Dr. Sanders.

One hour a week.

History of Greek Literature, Attic, Alexandrine, and Græco-Roman periods, Dr. Wright.

Two hours a week.

No student is admitted to any part of the major course in Greek who has not completed all the work of the minor course.

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also. The lectures on Demosthenes and Thucydides and the one-hour courses in Aristophanes and Sophocles may not be elected separately.

Private reading: Æschylus, *Persæ*, ll. 1 to end must be read by students taking the five-hour course; Æschylus, *Persæ*, ll. 681 to end must be read by students taking the courses in Thucydides and Sophocles, omitting the course in Greek literature; Æschylus, *Prometheus Vincit* ll. 437-876 must be read by students taking the course in Greek literature, omitting the courses in Thucydides and Sophocles. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

*Group:* Greek with any language, or with Philosophy, or with Philosophy and Psychology, or with Psychology, or with Ancient History, or with Classical Archæology, or with Mathematics.

## FREE ELECTIVE COURSES.

**Free  
Elective  
Courses.**

Minor courses, amounting to eight or ten hours a week which may be taken as free electives, are offered in Ancient History and Classical Archæology. See pages 136 to 138 and 157 to 158.

## POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. No student that has not completed the minor and major courses in Greek is admitted to any post-major course in Greek.

**Post-Major Courses.**

In 1913-14 the following post-major courses are offered:

*1st Semester.*

|   |                          |
|---|--------------------------|
| Minor Orations of the Attic Orators, Dr. Sanders.                   | <i>Two hours a week.</i> |
| Sophocles, <i>Antigone</i> or <i>Ædipus Tyrannus</i> , Dr. Sanders. | <i>One hour a week.</i>  |
| Melic Poets, Dr. Wright.  | <i>Two hours a week.</i> |

*2nd Semester.*

|  |                          |
|--|--------------------------|
| Æschylus, <i>Agamemnon</i> , or Thucydides, Dr. Sanders. | <i>Two hours a week.</i> |
| Greek Prose Composition, Dr. Sanders.                    | <i>One hour a week.</i>  |
| Plato, <i>Republic</i> , Dr. Wright.                     | <i>Two hours a week.</i> |

In 1914-15 the following post-major courses are offered:

*1st Semester.*

|   |                          |
|---|--------------------------|
| Sophocles, <i>Trachiniæ</i> and Euripides, <i>Heracles</i> , Dr. Sanders. | <i>Two hours a week.</i> |
| Herodotus, Dr. Sanders.   | <i>One hour a week.</i>  |
| Theocritus, Dr. Wright.   | <i>Two hours a week.</i> |

*2nd Semester.*

|   |                          |
|---|--------------------------|
| Greek Prose Composition, Dr. Sanders.   | <i>One hour a week.</i>  |
| Bacchylides, Dr. Sanders.               | <i>One hour a week.</i>  |
| Euripides, <i>Bacchæ</i> , Dr. Sanders. | <i>One hour a week.</i>  |
| Æschylus, <i>Septem</i> , Dr. Wright.   | <i>Two hours a week.</i> |

In 1915-16 the following post-major courses are offered:

*1st Semester.*

|   |                          |
|---|--------------------------|
| Æschylus, <i>Oresteia</i> , Dr. Sanders.                        | <i>Two hours a week.</i> |
| Aristophanes, <i>Acharnians</i> , <i>Knights</i> , Dr. Sanders. | <i>One hour a week.</i>  |
| Palatine Anthology or Lucian, Dr. Wright.                       | <i>Two hours a week.</i> |

*2nd Semester.*

|   |                          |
|---|--------------------------|
| Pindar, Dr. Sanders.  | <i>Two hours a week.</i> |
| Sophocles, <i>Electra</i> or Euripides, <i>Electra</i> , Dr. Sanders. | <i>One hour a week.</i>  |
| Sophocles <i>Ajax</i> , Dr. Wright.                                   | <i>Two hours a week.</i> |

## GRADUATE COURSES.

Six hours a week of seminary work are offered each year to graduate students of Greek, accompanied by the direction of private reading and original research. The books needed by the graduate students are col-

**Graduate Courses.**



lected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduates.

The seminary subjects in Greek are varied from year to year in two series; Attic Tragedy, Orators, and Historians, and the Homeric Question, Plato, and Aristophanes, in order that they may be pursued by a student for several consecutive years. A large part of the work expected of graduate students consists of courses of reading pursued under the direction of the department; and reports of this reading are from time to time required of the students. A reading knowledge of French and German is required. The course in comparative philology is recommended to graduate students of Greek. For graduate courses in Classical Archæology, which may be offered as a minor by students taking Greek as a subject for the degree of Doctor of Philosophy, see page 158.

Greek Seminary, Dr. Sanders.

*Three hours a week throughout the year.*

*(Given in each year.)*

In 1913-14 the main subject of the seminary is the Greek Historians. Thucydides is studied in detail and reports are made on data of history contained in Greek literature in general. Lectures are given by the instructor on subjects connected with Greek historiography, such as the composition of Thucydides's history, the syntax and style of Thucydides, the history of early prose, Greek historical inscriptions.

In 1914-15 the subject of the seminary will be Attic Tragedy. The work of the seminary in textual criticism will be devoted to Sophocles. Members of the seminary report on assigned subjects and give critical summaries of current classical literature.

In 1915-16 Greek orators will be studied in the seminary. The work consists of the reading of large portions of all the orators and the critical interpretation of a selected part of each. Lectures are given on legal antiquities, the syntax, and the style of the various authors, in conjunction with which Dionysius of Halicarnassus and the Greek Rhetoricians are studied. The later rhetoricians are treated and their criticism of antiquity investigated. Students are expected to provide themselves with the Teubner text editions of Antiphon, Andocides, Lysias, Isocrates, Isæus, Æschines, Hyperides, and Demosthenes. The classical library is well equipped with works on the orators.

Greek Seminary, Dr. Wright.

*Two hours a week throughout the year.*

*(Given in each year.)*

In 1913-14 the subject of the seminary is Aristophanes. The aim of the seminary is to make the students familiar with the more important Aristophanic literature up to the present day. Portions of the text are interpreted by the class and reports on assigned topics, literary, historical, and archæological, connected with the plays are expected from all the members. All the comedies of Aristophanes are read in the course of the year; lectures are given by the instructor on the metres and syntax of Aristophanes, on the dramatic structure of the plays and on the history of Attic comedy. Part of the work consists of analyses of Latin and German dissertations on Aristophanes which are presented by members of the class. Every member of the class should provide herself in advance with a complete text of Aristophanes. The Teubner (Leipsic) or Clarendon Press (Oxford) editions are recommended.

In 1914-15 the seminary will be in Plato. The work is mainly literary and critical. Lectures on the style, philosophy, and chronology of the dialogues are given by the instructor; a detailed interpretation of a portion of Plato, and reports on topics set for discussion are given by the class. The students are expected to read the *Republic*, *Theætetus*, *Par-*

*menides*, and *Sophist* and discuss certain problems arising from these dialogues. The aim of the course is to lay a foundation for independent work by familiarising the students with the achievements of German scholarship and the general field of Platonic literature up to the present day. Analyses of German and Latin dissertations are expected from the class. Lutoslawski's *Origin and Growth of Plato's Logic* will be studied and criticised in detail. Every member of the seminary should provide herself in advance with a complete text of Plato. The Teubner (Leipsic) or Clarendon Press (Oxford) editions are recommended.

In 1915-16 the subject of the seminary will be the Homeric Question, and the work will consist of a review of the discussions of the Homeric poems since the publication of Wolf's *Prolegomena*. The various tests that have been applied to the poems by archæologists, linguists, historians of myths, and æsthetic critics will be taken up and criticised in detail.

Greek Journal Club, Dr. Sanders and Dr. Wright.

*One and a half hours once a fortnight throughout the year.*

The instructors and the advanced students meet to report on and discuss recent articles and books.

## Latin.

The instruction in this department is under the direction of Dr. Arthur Leslie Wheeler, Professor of Latin, Dr. Tenney Frank, Professor of Latin, Dr. James Fulton Ferguson, Associate in Ancient History and Latin, and Dr. Mary Hamilton Swindler, Reader in Latin and Reader and Demonstrator in Classical Archæology. The instruction offered in Latin covers twenty-three hours of lectures and recitations a week, and includes ten hours a week of undergraduate major and minor work; one hour a week of free elective, six hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in Latin; and six hours a week of graduate work.

### FIRST YEAR.

*(Minor Course.)\**

1st Semester.

*(Given in each year.)*

Cicero, *Letters*, Dr. Wheeler, Dr. Ferguson, and Dr. Swindler.

*Two hours a week.*

**Major  
Course.**

The class is divided into three sections which are assigned to each instructor in turn for a third of the year.

Horace, *Odes*, Dr. Frank, Dr. Ferguson, and Dr. Swindler.

*Two hours a week.*

*(May be taken as a free elective.)*

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\* For regulations regarding the passing off of the Minor Latin, see footnote, page 53. Students passing off the Minor Latin course for advanced standing are not required to take the separate examinations in private reading

The class is divided into three sections which are assigned to each instructor in turn for a third of the year.

Private reading: Sallust's *Catilina* must be read during the first semester by students taking the five hour course. Students taking the course in Horace only must read one half of the *Catilina* in each semester, while those taking the three hour course in Cicero only read one half of the *Stories* from Gellius in each semester. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

## 2nd Semester.

Terence, *Phormio*, *Adelphoe*, and *Andria*, Dr. Wheeler, Dr. Ferguson, and Dr. Swindler. *Three hours a week.*

Horace, *Selections from the Satires and Epistles* and Vergil, *Eclogues*, Dr. Frank, Dr. Ferguson, and Dr. Swindler. *Two hours a week.*

(May be taken as a free elective.)

Private reading: *Stories* from Gellius must be read by students taking the five hour course. *Stories* from Gellius (second half) must be read by students taking the course in Terence only. Sallust, *Catilina* (second half) must be read by students taking the course in Horace only. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

## SECOND YEAR.

### 1st Semester.

(Given in each year.)

Tacitus, *Annals*, Dr. Wheeler.

*Three hours a week.*

The reading is devoted chiefly to those parts of *Books i-vi* bearing on the character of Tiberius, a study of which forms one of the main objects of the course. Other important topics are Tacitus's method as a historian, his style as a writer, the peculiarities of "Silver" Latin, etc. Several lectures are given on these and other subjects.

No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

Lectures on Latin Literature, Dr. Frank.

*Two hours a week.*

The lectures in this course treat the history of Latin Literature from its earliest beginnings down to the end of the second century of the Christian era, including all the authors from whose writings any important remains have been preserved. The libraries in each hall contain texts of the most important authors and extensive reading is required.

Private reading: Cicero, *De Senectute* must be read by students taking the five hour course; Tacitus, *Agricola* (first half) must be read by students taking the course in Tacitus only; Cicero, *De Senectute* (first half) must be read by students taking the course in Latin Literature only. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

### 2nd Semester.

Latin Comedy, Plautus, Dr. Wheeler.

*Three hours a week.*

The origin, development, and characteristics of Roman comedy are studied. Much attention is devoted to the peculiarities of archaic and colloquial Latin and to the reading of the simpler metres. Such topics as the theatre, stage, and actors receive special treatment in lectures. Three or four plays are read in class.

Lectures on Latin Literature (continued), Dr. Frank. *Two hours a week.*

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also.



No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

Private reading: Tacitus, *Agricola* must be read by students taking the five hour course; Tacitus, *Agricola* (second half) must be read by students taking the course in Latin Comedy; Cicero, *De Senectute* (second half) must be read by students taking the course in Latin Literature only. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

*Group:* Latin with any language, or with Philosophy, or with Classical Archæology, or with Ancient History, or with Mathematics.

#### FREE ELECTIVE COURSE.

Lectures on Roman Life, Dr. Frank. *One hour a week throughout the year.*  
(Given in each year.)

**Free  
Elective  
Course.**

An attempt is made to describe briefly Roman social and economic conditions, as well as the development of religious beliefs and institutions.

#### POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. No student that has not completed the minor and major courses in Latin is admitted to any post-major course in Latin.

**Post-  
Major  
Courses.**

In 1913-14 and again in 1915-16 the following post-major courses are offered:

##### 1st Semester.

Roman Satire, Dr. Wheeler. *Two hours a week.*

The subject is treated historically in order to give an outline of the origin and development of Satire. The class reads selections from Horace, Persius, Seneca, Petronius, and Juvenal, together with some of the fragments of Ennius, Lucilius, and Varro. The readings are supplemented by occasional lectures. Each student is required to prepare papers on assigned topics in each semester.

Lucretius and Catullus, Dr. Frank. *Three hours a week.*

Selections from the *De Rerum Natura* and from the Lyrics of Catullus are read.

Latin Prose Composition, Dr. Frank. *One hour a week.*

##### 2nd Semester.

Roman Satire (continued), Dr. Wheeler. *Two hours a week.*

Cicero and Cæsar, Dr. Frank. *Three hours a week.*

An effort is made by means of lectures, discussions, and extensive reading to gain an intimate acquaintance with the literary work and the political careers of Cicero and Cæsar.

Latin Prose Composition (continued), Dr. Frank. *One hour a week.*



In 1914-15 and again in 1916-17 the following post-major courses are offered:

*1st Semester.*

Roman Elegy, Dr. Wheeler.

*Two hours a week.*

An effort is made to trace historically the development of this branch of poetry among the Romans. Selections from Catullus, Tibullus, Propertius, and Ovid are read and the readings are supplemented by occasional lectures. Special attention is devoted to the structure and reading of the elegiac distich and to the characteristics of Roman poetic diction. Each student is required to prepare papers on assigned topics in each semester.

The Life and Works of Vergil, Dr. Frank.

*Three hours a week.*

The larger part of the *Æneid*, two books of the *Georgics* and some of the minor poems are read and discussed.

Latin Prose Composition, Dr. Frank.

*One hour a week.*

*2nd Semester.*

Roman Elegy (continued), Dr. Wheeler.

*Two hours a week.*

Roman Prose of the Empire, Dr. Frank.

*Three hours a week.*

Selections from Velleius, Seneca, Quintilian, Tacitus, Suetonius, Apuleius, and Minucius Felix are read.

Latin Prose Composition (continued), Dr. Frank.

*One hour a week.*

GRADUATE COURSES.

**Graduate Courses.** Six hours a week of seminary work are offered each year to graduate students of Latin accompanied by the direction of private reading and original research. The books needed by graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to six hours a week may be elected by graduates.

The graduate work in Latin is conducted according to the seminary method and is intended not only to broaden the student's knowledge, but also to teach methods of work. The graduate courses in Latin are varied from year to year in two series, Roman Comedy, Lyric Poetry and Elegy, and Roman History, Epigraphy, and Literature or Syntax. Such students are recommended to attend the Journal Club. It is desirable that all students who intend to do advanced work in Latin should have some knowledge of Greek. A reading knowledge of French and German is also necessary.

Latin Seminary, Dr. Wheeler.

*Three hours a week throughout the year.*

*(Given in each year.)*

In 1913-14 the subject of the seminary is the Roman Lyric in the Period of the Republic. After a rapid survey of the fragmentary lyric remains of the predecessors and contemporaries of Catullus, the poems of Catullus himself are studied in detail. Students should have *Catulli carmina* (Oxford text, 1904), edited by Robinson Ellis, and either the same scholar's *Commentary on Catullus*, Oxford, Clarendon Press, 1889 (second edition), or G. Friedrich's *Catulli Veronensis liber*, Leipsic and Berlin, 1908 (Teubner).

In 1914-15 Roman Elegy as represented by Tibullus, Propertius, and Ovid will be the subject of the seminary. In addition to a careful study of selected poems an effort is made to trace the history of elegy among the Romans. The various topics connected with the subject are treated in detail as far as time permits, and the students are encouraged to familiarise themselves with the best literature in editions, periodicals, and dissertations. The texts recommended are the Oxford Clarendon Press editions of Catullus and Tibullus, edited by Ellis and Postgate, and the Leipsic (Teubner) text of Propertius, edited by C. Hosius, 1911. The best commentaries are Kirby Smith's *The Elegies of Tibullus*, New York, 1913 (American Book Co.), and M. Rothstein's *Die Elegien des Sextus Propertius*, Berlin, 1898 (Weidmann). For Catullus see Roman Lyric.

In 1915-16 the subject of the seminary will be Latin Comedy. All the plays of Plautus and Terence are read by the students; single plays form the basis of special work on the language, text, metres, etc. Students should provide themselves with the text edition of Plautus, edited by W. M. Lindsay, Oxford, 1903-04, and with Dziatzko's text of Terence, Leipsic, Tauchnitz, 1884. The plays of Plautus, annotated by Brix, Leipsic, Teubner, 1901-12, and by Lorenz, Berlin, Weidmann, 1876-86, and the plays of Terence, annotated by Dziatzko (revised by Hauler), 1898 and 1913 (Teubner), and by Spengel, 1879 and 1905 (Weidmann), are also recommended. *P. Terenti Afri Commoediæ*, edited by S. G. Ashmore, Oxford University Press, New York, 1908, is a convenient commentary.

Latin Seminary, Dr. Frank.

*Two hours a week throughout the year.*

*(Given in each year.)*

In 1913-14 the work of the seminary is Latin Epigraphy and Palæography. About two-thirds of the course is devoted to the study of the *Corpus Inscriptionum*. The questions treated for investigation deal mainly with Roman political institutions, public and private life, and with historical grammar. Dessau's *Inscriptiones Latinae Selectae* is used in the class room. The paleographical facsimiles of Chatelain, Zangemeister and Wattenbach, and Arndt form the basis for work in the latter part of the course.

In 1914-15 selected topics in Roman Literature will be studied. The work consists of studies in the beginnings of the Roman epic, tragedy, and prose. The students read reports on special subjects assigned to them. A study of Latin Syntax may be substituted.

In 1915-16 Cicero's correspondence will be the subject of the seminary. An effort will be made to master typical textual and linguistic problems presented by this text, and more especially to extend the student's acquaintance with the Roman civilisation of Cicero's day.

Latin Journal Club, Dr. Wheeler and Dr. Frank.

*One and a half hours once a fortnight throughout the year.*

The instructors and the advanced students meet to report on and discuss recent articles and books.

## MODERN LANGUAGES.

Professors and instructors: Dr. M. Carey Thomas, Dr. Fonger DeHaan, Miss Lucy Martin Donnelly, Dr. Karl Detlev Jessen, Dr. Carleton Fairchild Brown, Dr. Richard Thayer Holbrook, Dr. Orie Latham Hatcher, Dr. Regina Katharine Crandall, Dr. Agathe Lasch, Mr. Samuel Arthur King, Mr. Louis Cons, Dr. Samuel C. Chew, Jr., Miss Georgiana Goddard King, Miss Mary Jeffers, Miss Edna Aston Shearer, Miss E. Beatrice Daw, Dr. Ida Langdon, Miss Marion Delia Crane, Miss Christine Potts Hammer, Dr. Eunice Morgan Schenck, Miss Esther Cloudman Dunn.

### English.

The instruction in this department is under the direction of Dr. M. Carey Thomas, Professor of English, Miss Lucy Martin Donnelly, Professor of English, Dr. Carleton Fairchild Brown, Professor of English Philology, Dr. Orie Latham Hatcher, Associate Professor of Comparative Literature and Elizabethan Literature, Dr. Regina Katharine Crandall, Director of Essay Work, Dr. Samuel C. Chew, Jr., Associate in English Literature, Mr. Samuel Arthur King, Non-resident Lecturer in English Diction, Miss Georgiana Goddard King, Lecturer in the History of Art and Comparative Literature, Miss Edna Aston Shearer, Miss E. Beatrice Daw, Miss Marion Delia Crane, Dr. Ida Langdon, Miss Christine Potts Hammer, and Miss Esther Cloudman Dunn, Readers in English. The instruction offered in English covers forty-four hours of lectures and recitations a week, and includes two years of lectures on literature and language required of every candidate for the Bachelor's degree; two years of Minor and Major English, which presuppose as much information as is contained in the required course, and may be elected in combination with the major course in any other language, or with comparative literature, or with philosophy, or with philosophy and psychology, or as a free elective; six hours a week of free elective work, one hour a week of elective courses in English diction, and graduate courses in English literature, Anglo-Saxon, and Early and Middle English, and Elizabethan Literature.

#### ***Required Course.***

The required course consists of lectures on literature and language, in which the history of English literature is regarded as far as possible from the point of view of European literature generally; a study of the principles of English composition with constant practice in writing; and courses of private reading, which are meant to familiarise the student with English authors. The instruction in English composition is given in three ways: in introductory lectures, in written corrections on papers written by the students, and in conferences between the instructors and students. The course in English composition and rhetoric is connected with the lectures on literature and language and may not be elected separately.

#### FIRST YEAR.

##### *1st Semester.*

*(Given in each year.)*

Lectures on the history of the English language and Anglo-Saxon literature, with an introduction into the study of early Teutonic literature and mythology, Miss Donnelly.

*Two and a half hours a week.*



## The Principles of Articulation, Mr. King.

*One hour a fortnight.*

This course deals with a system of oral gymnastics, by which a distinct, firm, and fluent articulation can be acquired. The means of instruction for improving the quality of the speaking voice, and for acquiring a correct production, are pointed out. Special attention is paid to the cure of nasality and other vicious habits of speaking. The common errors of articulation and the vulgarisms constantly heard in every-day speech are clearly defined. A special class will be formed to assist those students whose defects of articulation are so marked as to make it difficult for them to work with the other members of the class.

English Composition and Rhetoric, Miss Donnelly, Dr. Crandall, Miss Shearer, Miss Daw, Dr. Langdon, Miss Hammer, Miss Dunn.

*Two hours a week.*

The lectures on the history of the English language and the course in English composition and rhetoric may not be elected separately. The work in English composition consists of short papers each week on subjects drawn from the student's personal experience, and longer papers on subjects drawn from the lectures on the history of the English language and literature and from assigned reading. In the rhetoric course the principles of English composition are studied and their practice is taught in the papers written by the students. A written examination is held on the work in English composition and rhetoric at the end of the semester. Written examinations on the lectures are held from time to time during the semester and credit is given for the style and structure of the papers.

### 2nd Semester.

Lectures on the history of English literature to the death of Spenser, inclusive, with an introduction into the study of mediæval literature, Miss Donnelly.

*Two and a half hours a week.*

The Principles of Articulation (continued), Mr. King. *One hour a fortnight.*

English Composition and Rhetoric, Miss Donnelly, Dr. Crandall, Miss Shearer, Miss Daw, Dr. Langdon, Miss Hammer, Miss Dunn.

*Two hours a week.*

The lectures on the history of English literature and the course in English composition and rhetoric may not be elected separately. The plan of work of the first semester is continued. In the rhetoric course the principles of English composition are studied throughout the semester and their practice is taught in the papers written by the students. A written examination on the work in English composition and rhetoric is held at the end of each semester. Written examinations on the lectures on the history of English literature are held from time to time during the semester and credit is given for the style and structure of the papers.

## SECOND YEAR.

### 1st Semester.

*(Given in each year.)*

Lectures on the history of English literature from the death of Spenser to the Restoration, inclusive, with a short account of the influences of the contemporary continental literatures, Miss Donnelly.

*Two and a half hours a week.*

The Sonant Properties of Speech, Mr. King.

*One hour a fortnight.*

This course consists of a detailed study of the principles of inflection, pitch, and rhythm, together with special treatment of emphasis and rules on pausing. Students are required from time to time to read aloud in order that individual faults may be corrected.

English Composition, Miss Donnelly, Dr. Crandall, Miss Shearer, Miss Daw, Dr. Langdon, Miss Hammer, Miss Dunn.

*Two hours a week.*



The lectures on the history of English literature and the course in English composition may not be elected separately. The course in English composition consists of one short paper each fortnight on a subject drawn from the student's personal experience, one argumentative paper, and one critical paper on a subject drawn from the lectures on the history of English literature. A written examination on the work in English composition is held at the end of each semester. Written examinations on the lectures on the history of English literature are held from time to time during the semester and at the end of each semester and credit is given for the style and structure of the papers.

### *2nd Semester.*

Lectures on the history of English literature from the Restoration to the present time, Miss Donnelly. *Two and a half hours a week.*

The Sonant Properties of Speech (continued), Mr. King.

*One hour a fortnight.*

English Composition, Miss Donnelly, Dr. Crandall, Miss Shearer, Miss Daw, Dr. Langdon, Miss Hammer, Miss Dunn. *Two hours a week.*

The lectures on the history of English literature and the course in English composition may not be elected separately. The work of the semester in English composition consists of one short paper each fortnight on a subject drawn from the student's personal experience, one twenty-four page critical paper on an author chosen by the student with the approval of her instructor, a narrative, and two shorter so-called imitative papers during the writing of which the principles of imitative writing are discussed in the lectures. A written examination is held on the work at the end of each semester. Written examinations on the lectures on the history of English literature are held from time to time during the semester and at the end of each semester and credit is given for the style and structure of the papers.

### *Major Course.*

The major course in English differs slightly from the other major courses of the college, in that it must always have been preceded by two years' study of English in the required undergraduate courses, and is intended for graduate students or for those undergraduate students who are anxious to specialise in English. Any of the courses, except the courses in English Drama, in Spenser and Milton, and in Middle English Poetry and Chaucer, may be taken separately as free electives by students that have completed the required course. Students wishing to specialise in language may substitute the course in Middle English Romances or the courses in Middle English Poetry and Chaucer for the course in the English Drama, and the course in Anglo-Saxon or Shakespeare for the course in Spenser and Milton, but all students taking a major course in English must take either the course in Anglo-Saxon or the course in Middle English Romances, or the courses in Middle English Poetry and Chaucer.

### FIRST YEAR.

#### *Minor Course. (Literature.)*

English Critics of the Nineteenth Century, Dr. Chew.

*Three hours a week throughout the year.*

*(Given in each year.)*

Certain English essayists of the nineteenth century are studied with particular regard to their theories of criticism. In the first semester the authors usually chosen are Carlyle, Newman, and Matthew Arnold; in the second semester Ruskin, Pater, and Swinburne are discussed. Occasional short reports and one long paper in each semester must be prepared by the students attending the course.

English Poetry, 1865-1914, Dr. Chew. *Two hours a week throughout the year*

(Given in 1914-15 and again in 1916-17.)

A review of the progress of poetry during the earlier years of the reign of Queen Victoria is followed by a more detailed study of the poets of the latter part of her reign and those of the reigns of Edward VII and George V. Among the poets studied are Arnold, Clough, Rossetti, Morris, Swinburne, Meredith, Hardy, James Thomson, Francis Thompson, Henley, Kipling, Watson, Yeats, Davidson, and Masfield. Special emphasis will be laid upon the influences that have brought the Victorian era to a close and upon the chief characteristics and tendencies of the poetry of the present day.

English Poets of the Romantic Movement, Miss Donnelly.

*Two hours a week throughout the year.*

(Given in 1915-16 and again in 1917-18.)

The poets studied in this course are Wordsworth, Coleridge, and Shelley in the first semester and in the second, Byron, Keats, and Landor. Their works are discussed in class in connection with questions of poetics and literary theory and reports and essays are required from students attending the course.

#### Minor Course. (Language.)

Anglo-Saxon, Dr. Brown.

*Two hours a week throughout the year.*

(Given in 1914-15 and again in 1916-17.)

The first semester is devoted to an outline of Anglo-Saxon grammar as presented in Siever's *Old English Grammar* (Cook's translation) and to the reading of the prose selections in Bright's *Anglo-Saxon Reader*. In the second semester after reading one or two of the shorter Anglo-Saxon poems, the *Beowulf* is taken up (Holthausen's or Schücking's text) and the first two-thirds of the poem is read with the class.

Middle English Romances, Dr. Brown. *Two hours a week throughout the year.*

(Given in 1914-15 and again in 1916-17.)

Selected romances are read by the members of the class. The lectures treat the development of romance literature in English with special reference to the romances of Germanic origin and the Arthurian cycle. The class meets two hours a week but students electing the course as a group course in English language will be assigned extra reading to make the course equivalent to three hours a week.

#### SECOND YEAR.

(Literature.)

English Drama, Dr. Chew.

*Three hours a week throughout the year.*

(Given in each year.)

This course is intended to give students that have completed the required course in English a more intimate knowledge of the late Elizabethan and the Stuart drama. The lectures follow the development of the realistic and romantic tendencies in the comedy and tragedy of the period both as an expression of the national life and of the individual genius of the various dramatists. Selected plays of Shakespeare, Middleton, Ben Jonson, Beaumont and Fletcher, and other dramatists are read in connection with the lectures. This course is open only to those students who are taking the English group. This course was given by Miss Donnelly two hours a week in 1913-14.

Middle English Romances, Dr. Brown. *Two hours a week throughout the year.*

(Given in 1914-15 and again in 1916-17.)

This course is the same as that described above as part of the language course.

Spenser and Milton, Dr. Chew.

*Two hours a week throughout the year.*

*(Given in 1915-16 and again in 1917-18.)*

The poets studied are Spenser and his followers, Sidney, Drayton, Daniels, Browne, Hall, Marston, Donne, Herbert, Crashaw, Vaughan, Herrick, Milton, and a few others. Emphasis is laid upon Spenser and Milton. The course in Shakespeare may be substituted for this course.

*(Language.)*

Middle English Poetry, Dr. Brown. *Three hours a week during the first semester.*

*(Given in 1913-14 and again in 1915-16.)*

The purpose of the course is to give the student a direct acquaintance with some of the more important pieces of Middle English verse. Selections are read from Layamon's *Brut*, Robert of Gloucester's *Chronicle*, Laurence Minot, Robert of Brunne's *Handlyng Synne*, and Langland's *Vision of Piers Plowman*. *The Owl and the Nightingale* and *Pearl* will be read in full. In connection with the reading of these texts lectures are given on the development of the language and literature during the Middle English period. The course is designed as an introduction to the course on Chaucer given in the second semester but may be taken independently. This course is open only to those students who are taking or have taken at least one other course in English in addition to the required courses. The course in the English Drama or the course in Middle English Romances may be substituted for this course and the course on Chaucer if desired.

Chaucer, Dr. Brown.

*Three hours a week during the second semester.*

*(Given in 1913-14 and again in 1915-16.)*

In this course the best of the *Canterbury Tales* are studied, also the *Legend of Good Women*, *The House of Fame*, and portions of *Troilus and Criseyde*. The lectures discuss Chaucer's sources and literary art, and his relation to the English, French, and Italian literature of his time. It is desirable that this course should be preceded by the course in Middle English Poetry. This course is open only to those students who are taking at least one other course in English in addition to the required courses. The course in the English Drama or the course in Middle English Romances may be substituted for this course if desired.

Shakespeare, Dr. Brown.

*Two hours a week throughout the year.*

*(Given in 1913-14 and again in 1915-16.)*

A careful study is made of a number of Shakespeare's plays, selected with a view to illustrating his earlier and later work and his method in comedy, tragedy, and chronicle history. The plays chosen in 1913-14 are: *Romeo and Juliet*, *Henry V.*, *Othello*, *Hamlet*, and *Winter's Tale*. Some of the more general problems connected with these plays are discussed in introductory lectures.

**Group:** English with any language, or English with Comparative Literature, or English with Philosophy, or English with Philosophy and Psychology.

#### FREE ELECTIVE COURSES.

Daily Themes, Dr. Crandall.

*Two hours a week during the first semester.*

*(Given in each year.)*

**Free  
Elective  
Courses.**

Short papers on subjects chosen by the students themselves are required from each student and discussed in the class.



Narrative Writing, Dr. Crandall. *Two hours a week during the second semester.*

*(Given in each year.)*

The style and methods of the best modern writers of short stories, both English and French, are treated in this course. The course is open to students under the same conditions as the course in Descriptive Writing.

Argumentation, Miss Shearer.

*Two hours a week throughout the year.*

*(Given in each year.)*

In the first semester the technique of Argumentation is studied. In the second semester the relation between the laws of thought emphasised in the first semester and the ordinary forms of prose composition is established; if the class is sufficiently large part of the time is given to debate. The course is open to students who have obtained the grade of merit in two semesters, or of credit in one semester of the required course in English Composition, but no student may take this course at the same time that she is taking another course in English Composition.

Theory and Practice of Verse Composition, Miss King.

*Two hours a week during the second semester.*

*(Given in 1913-14.)*

This course is not historical but theoretical and practical. The lectures deal with the theory of poetry, the difference between poetry and prose and the laws of verse in English. Students are required to write short exercises in verse every week. The course is open to students who have obtained the grade of merit in two semesters or of credit in one semester of the required course in English Composition, but no student may take this course at the same time that she is taking another course in English Composition.

Descriptive Writing, Dr. Langdon. *Two hours a week during the first semester.*

*(Given in each year.)*

This course consists of lectures on the theory and practice of description. The course is open to students who have obtained the grade of merit in two semesters or of credit in one semester of the required course in English Composition, but no student may take this course at the same time that she is taking another course in English Composition.

A Study of Poetics, Dr. Langdon.

*One hour a week throughout the year.*

*(Given in 1914-15 and in each succeeding year.)*

This course consists of a study of poetics based upon various treatises and essays concerning the art of poetry. The students will be required to write a number of reports and papers. The course is open to students who have completed the required course in English composition and may be taken at the same time as another elective course in writing.

Reading of Shakespeare, Mr. King.

*One hour a week throughout the year.*

*(Given in 1913-14 and again in 1915-16.)*

This course is open only to those students who have attended the lectures in English diction given in the general course. A special study is made of the principles of correct delivery of blank verse. The needs of those students who expect to teach English literature and desire to read Shakespeare to their pupils are given special attention.

General Reading of Prose Authors, Mr. King.

*One hour a week throughout the year.*

*(Given in 1914-15 and again in 1916-17.)*

This course is open only to those students who have attended the lectures in English diction given in the general course.



## GRADUATE COURSES.

**Graduate Courses.** Fourteen hours a week of seminary work and graduate lectures are offered each year to graduate students of English, accompanied by the direction of private reading and original research, and the courses are varied from year to year, so that they may be pursued by students through three or more consecutive years. The graduate lectures offered in the department of Comparative Literature are also recommended to the attention of students of English. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the major or third and fourth year courses of the department amounting to ten hours a week may be elected by graduate students. There are offered each year three graduate seminaries in English literature, and one in English language. The graduate seminaries in literature presuppose at least as much knowledge as is obtained in the two years' course of undergraduate lectures on English literature and in one of the literature years of the English group; and the graduate courses in Anglo-Saxon presuppose as much knowledge of Anglo-Saxon as is obtained in the language year in the English group.

Students who choose English as the chief subject in their examination for the degree of Doctor of Philosophy must have, if they specialise in literature, at least as much knowledge of Anglo-Saxon, and, if they specialise in language, at least as much knowledge of literature, as is obtained in the courses required of those students who make English one of the chief subjects of undergraduate study, and must have taken at least the equivalent of the English Composition in the required English course.

## Seminary in Middle English, Dr. Brown.

*Three hours a week throughout the year.*

*(Given in each year.)*

In 1913-14 the subject is the Middle English Romances. All the romances represented in the Middle English are read, and the relations of these English versions to their Latin and Old French originals are discussed. The romance cycles are taken up in the following order: Troy story, Alexander saga, romances of Germanic origin, Arthurian cycle, Charlemagne cycle. Special investigations of various elements in individual romances are undertaken from time to time by the members of the seminary.

In 1914-15 the seminary will undertake the study of *The Vision of Piers the Plowman* and the works of Chaucer. Attention is devoted not so much to the critical reading of the texts themselves as to the examination of the questions of authorship and chronology which have recently been raised. These poems are also discussed in their relation to the other literature of the fourteenth century. Special subjects for individual investigation are assigned to the members of the seminary.

In 1915-16 the beginnings of English Drama will be the subject of the seminary. Though the cycles of the mystery plays are considered in general, the larger part of the time is devoted to the study of the English morality plays. Particular attention is given to the connection between the moralities and the didactic treatises and the debates. The moralities and the secular drama are studied historically up to the time of Heywood. In addition to the reading and discussion of selected plays, lectures are given by the instructor with the object of setting various elements of dramatic development in proper proportion. Critical reports on assigned topics are required from the students.

## Cynewulf and Cædmon, Dr. Brown.

*Two hours a week throughout the year.**(Given in 1913-14 and again in 1915-16.)*

Several of the poems traditionally ascribed to those authors are critically studied. Lectures are given furnishing an introduction to Anglo-Saxon Christian poetry and the literary problems connected with it. This course is open to graduate students who have already taken the course in Anglo-Saxon, or its equivalent.

## Beowulf, Dr. Brown.

*Two hours a week throughout the year.**(Given in 1914-15 and again in 1916-17.)*

This course gives in the first place a general survey of Beowulf criticism, including textual problems, theories as to the composition of the poem, and an enquiry into its historical and mythological elements. In this connection a study is also made of the other pieces of Anglo-Saxon heathen poetry. This course is open to graduate students who have already taken the course in Anglo-Saxon, or its equivalent.

## English Historical Grammar, Dr. Brown.

*Two hours a week throughout the year.**(Given in 1914-15 and again in 1916-17.)*

In this course the development of the English language is traced from the earliest times. After an outline of the history and external relations of English, the change and decay of inflections, the use of prepositions and the more important points in historical syntax are discussed. The course presupposes a knowledge of Anglo-Saxon and Middle English.

## Seminary in English Literature, Miss Donnelly.

*Two hours a week throughout the year.**(Given in each year.)*

In 1913-14 and again in 1915-16 Shelley and Byron are studied in the seminary. Special attention is given to the phases of Romanticism shown in their work and to their relations to their contemporaries in England and on the Continent.

In 1914-15 Donne and Milton will be the subject of the seminary. They are studied in their relation to such contemporary influences as Platonism and the Church and Puritanism and in especial to the sources and development of poetical style in the seventeenth century.

In 1916-17 Swift, Addison, and Steele will be studied. Attention will be given to their relations to both contemporary politics and literature.

## Seminary in English Literature, Dr. Chew.

*Three hours a week throughout the year.**(Given in each year.)*

In 1914-15 the seminary will be devoted to the study of English satirical poetry. After some consideration of mediæval satire in verse the growth of the type is studied in the poetry of Hall, Marston, Donne, Butler, Denham, Marvell, Oldham, Dryden, Pope, Swift, Churchill, and a few others.

In 1915-16 the beginnings of romanticism and the poetry of Wordsworth and Coleridge will be studied.

In 1916-17 the seminary will be devoted to the study of various phases of English literature during the latter half of the reign of Queen Victoria. The work and influence of the Pre-Raphaelites, Swinburne, Meredith, and Pater; the influence of Ibsen, of Baudelaire and Verlaine, and of Nietzsche; the "new mysticism" and the "Celtic Revival" will be among the topics considered.

## Seminary in Elizabethan Drama, Dr. Hatcher.

*Three hours a week throughout the year.**(Given in each year.)*

In 1913-14 Elizabethan Drama is studied; its nature and foreign origins, its extent, variety, development and decadence are discussed. Contemporary documents and other sources of information about Elizabethan Drama are examined. Each student is given some subject for investigation.

In 1914-15 the subject studied will be Spenser, his inspiration, models and sources, the numerous influences working upon him and those emanating from him, and his initiative in solving the literary problems of his time. All his works are read and the results of Spenserian research are examined. Each student investigates some special problem.

In 1915-16 Shakespeare will be the subject of the seminary. Inquiry will be made into the significant results of Shakespearian scholarship. Dramatic and other records relating to Shakespeare are examined and two of the plays are chosen for intensive study. Each student is assigned some topic in connection with the sources of Shakespeare's plays for investigation.

This seminary may be elected as comparative literature by students having a reading knowledge of Italian.

English Journal Club, Dr. Brown, Miss Donnelly, Dr. Hatcher, and Dr. Chew.

*One and a half hours a fortnight throughout the year.**(Given in each year.)*

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

## German.

The instruction in this department is under the direction of Dr. Karl Detlev Jessen, Professor of German Literature, Dr. Agathe Lasch, Associate Professor of Teutonic Philology, and Miss Mary Jeffers, Reader in German. The instruction offered in German covers twenty-nine hours of lectures and recitations a week; it includes five hours a week of matriculation German; ten hours a week of undergraduate major and minor work; one hour a week of free elective; three hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in German, and ten hours a week of graduate work in modern German literature and in Teutonic philology.

**Matriculation Course.**

A class for beginners in German, conducted by Miss Mary Jeffers, five hours a week throughout the year, is provided, in order that those students whose matriculation examination did not include German may obtain the reading knowledge of it that they must possess before receiving a degree. By great diligence such students may acquire sufficient knowledge to be admitted should they desire it, into the first year of the major course in German.



The major course in German presupposes as much knowledge as is required to pass the matriculation examination in this subject.

**Major Course.**

**FIRST YEAR.**

(*Minor Course.*)

(*Given in each year.*)

Lectures on the History of German Literature from the period of Romanticism to the present time, Dr. Jessen. *Two hours a week throughout the year.*

These lectures are delivered in German and discuss the masterpieces of German literature in the nineteenth century. As much collateral reading as possible, done either in or out of class, will illustrate the lectures. Weicher's *Deutsche Literaturgeschichte* is recommended for reference.

This course is open as a free elective to all students that have passed the matriculation examination in German.

Private reading: Grillparzer, *Sappho*, and Freytag, *Die Journalisten*, must be read by students taking the course in the first semester; Hebbel, *Agnes Bernauer*, and Sudermann, *Die Heimat*, must be read by students taking the course in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

Critical Reading of Modern German Authors, Dr. Lasch.

*Two hours a week throughout the year.*

German Grammar and Prose Composition, Dr. Lasch.

*One hour a week throughout the year.*

The course in critical reading consists of translations of modern German prose and verse. Selections from Goethe's *Dichtung und Wahrheit* are read and a number of Goethe's earlier poems are studied selected so as to illustrate the events narrated in *Dichtung und Wahrheit*. Goethe's *Iphigenie* and *Tasso* are read in the second semester. For translation of English into German, Whitney and Stroebe's *Advanced German Composition* (Holt & Co.) and Ruskin's *Praeterita* are used. German grammar is carefully reviewed in Thomas's *Practical German Grammar* (Holt & Co.).

The course in Critical Reading and the course in Grammar and Prose Composition may not be elected separately, and the examination in these subjects may not be divided. The courses are open as a free elective to all students that have passed the matriculation examination in German.

Private reading: Schiller, *Die Piccolomini*, *Wallenstein's Tod* (Henry Holt & Co., New York), must be read by students taking the courses in the first semester; Schiller, *Braut v. Messina*, must be read by students taking the courses in the second semester. Examinations on the private reading must be taken at the scheduled time during the semester for which the reading is assigned by all students pursuing the German courses.

The advanced standing examinations, or examinations taken without attending the college classes, in the reading and grammar of the minor, three hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under German governesses the necessary advanced knowledge, and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination on the private reading that accompanies these courses must be taken not later than the third semester after that in which the advanced standing examination is offered.

**SECOND YEAR.**

(*Given in each year.*)

Lectures on the History of German Literature from Luther to the Romantic School, Dr. Jessen.

*Two hours a week throughout the year.*



These lectures are delivered in German and discuss the great classical authors, as well as the most modern poets and novelists.

Private reading: Goethe, *Italienische Reise*, and Lessing, *Nathan der Weise*, must be read by students taking the course in the first semester; Frenssen's *Jörn Uhl* and Nietzsche's *Essays*, must be read by students taking the courses in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

*Faust-Legend* and similar legends in mediæval and modern literature; Goethe, *Faust* (1st and 2nd parts), Dr. Jessen.

*Two hours a week throughout the year.*

The course aims to be a comparative study of an interesting group of literary products of both mediæval and modern literature. Starting with the comparative history of such Faustlike legends in mediæval literature as those of Theophilus and Cyprian, up to Calderon's *Il magico prodigioso*, the Faust-Legend in its many pre-eminently English and German ramifications, will be taken up, including especially Marlowe's *Doctor Faustus*. Goethe's *Faust* will be the centre of comparative study, showing what in it is due to Rousseauism, to Romanticism, and to other currents of thought. Faustlike literature, especially German and English, of a later date, as far as it is of literary importance will bring the consideration as far up to date as possible. The course will consist of lectures, reports and readings. It may be counted as part of the major course in comparative literature.

Private reading will be announced later.

German Prose Composition and Reading, Dr. Lasch.

*One hour a week throughout the year.*

In this course the students translate selected passages of difficult English prose into German. The texts are taken from Henry Craik's *English Prose*, vol. 5 (The Macmillan Co.). Treitschke, *Kleine Schriften* will be translated into English.

The course in German literature and the course in Prose Composition and Reading may not be elected separately, and the examination in these subjects may not be divided.

Private reading: Sudermann's *Johannes* must be read by students taking this course in the first semester; Hauptmann's *Hannele's Himmelfahrt* must be read by students taking this course in the second semester. Examinations on the private reading must be taken at the scheduled times during the semester for which the reading is assigned by all students pursuing the German courses.

An advanced standing examination, or an examination taken without attending the college class, in the prose composition of the major, one hour a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under German governesses the necessary advanced knowledge, and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination on the private reading that accompanies this course must be taken not later than the third semester after that in which the advanced standing examination is offered.

*Group: German with any language or with Comparative Literature.*

#### FREE ELECTIVE COURSE.

Advanced German Composition, Dr. Lasch.

*One hour a week throughout the year.*

*(Given in each year.)*

Difficult English prose selections are translated into German. The intention of the course is to increase the understanding and feeling for written and spoken German. Attention is paid to the needs of students intending to teach German.

## POST-MAJOR COURSES.

*Post-Major Courses.*

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Lectures on the History of German Literature from the Romantic School till 1850, Dr. Jessen.

*Two hours a week throughout the year.*

*(Given in 1913-14 and again in 1915-16.)*

This course begins with a general study of the principles of philosophy, life, art, and poetry, as represented by the Romantic School, which is followed by lectures on the literary movements, expressed mainly in lyric poetry and in the novel, which supersede the Romantic *Weltanschauung*. The lyrics of the war of liberation, the *Weltschmerz*, and the political revolution; the novel of *Jungdeutschland*; the drama of Heinrich von Kleist; the works of the Schlegels, Tieck, Hölderlin, Jean Paul, Novalis, Uhland, Lenau, Heine, Immermann, Freiligrath, Herwegh, Gutzkow, Mörike, and Gotthelf are the principal topics discussed.

German Literature from 1850 to the Present Time, Dr. Jessen.

*Two hours a week during the first semester.*

*(Given in 1914-15 and again in 1916-17.)*

The subject of this course is, in the first semester, the *Epigonen-Literatur*. The development of the modern German *Novelle* is discussed and Keller's, Storm's, and C. F. Meyer's works are specially studied. A full account of the poets of the *Münchener Schule* is given, as well as of Richard Wagner, Reuter, Groth, Freytag, Spielhagen, Scheffel, Raabe, Geibel, Heyse, and Schack.

German Literature from 1850 to the Present Time (continued), Dr. Jessen.

*Two hours a week during the second semester.*

*(Given in 1914-15 and again in 1916-17.)*

In the second semester among the subjects discussed are the influence of French, Russian, and Scandinavian literatures, especially of the work of Zola and Ibsen on German literature; modern German realism and naturalism, as represented by Fontane, Anzengruber, Wildenbruch, Hauptmann, Sudermann, Liliencron, and Rosegger; the increased importance of women in literature, and the work of Marie von Ebner-Eschenbach, Luise von François, Ricarda Huch, Helene Böhlau, Isolde Kurz, Clara Viebig, and others; the significance of Nietzsche for German life and literature; Neo-romanticism and *Heimatsdichtung*.

Advanced Critical Reading, Dr. Jessen.

*One hour a week throughout the year.*

*(Given in each year.)*

The reading is selected from works discussed in the post-major lectures on literature. The students give reports on dramas or novels, the object of the discussion being to trace the characteristics of the author, as shown in his works. Special attention will be paid to the needs of students who intend to teach German.

Elementary Middle High German, Dr. Lasch.

*One hour a week throughout the year.*

*(Given in each year when the time of the department permits.)*

This course has been arranged primarily for undergraduate students who wish to be able to read the Middle High German classics in the original. A general acquaintance with the history of early German literature, such as may be obtained from the lectures on the history of German literature in the minor course, is presupposed. Wright's *Middle High German Primer* (2nd edition, Oxford, 1899) is used.

## GRADUATE COURSES.

**Graduate Courses.**

Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of German and Teutonic Philology accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the post-major courses of the department, amounting to four hours a week, may be elected by graduate students.

The graduate courses offered in German Philology may be found under the head of General Teutonic Philology.

Graduate work in the history of modern German literature is conducted according to the seminary method. The courses are so varied that they may be followed by graduate students throughout three successive years and cover the work required of students who offer German literature as a major or a minor for the degree of Doctor of Philosophy. Students who offer German literature as the major subject for the degree of Doctor of Philosophy must offer Teutonic Philology as one of the minor subjects and students who offer Teutonic Philology as a major subject are required to offer German literature as one of the minor subjects.

## Seminary in German Literature, Dr. Jessen.

*Two hours a week throughout the year.*

*(Given in each year.)*

It is hoped that in the seminary the students may become familiar with the methods of scientific literary criticism and investigation.

In 1913-14 Goethe is the subject of study in the seminary.

In 1914-15 Friedrich Nietzsche and Herman Grimm will form the basis of the work of the seminary.

In 1915-16 the Romanticism of early modern German literature will be studied.

## German Literary Criticism, Dr. Jessen.

*One hour a week during the first semester.*

*(Given in 1913-14 and again in 1915-16.)*

The lectures trace the development of literary and æsthetic criticism in Germany from Leibnitz to Schiller and Goethe. The course is comparative in character, and French and English literary criticism are also considered. Lessing's *Laokoön* and *Hamburgische Dramaturgie* and Schiller's essays on æsthetics are studied. A good reading knowledge of French and German is required.

## The German Essay, Dr. Jessen.

*One hour a week during the second semester.*

*(Given in 1913-14 and again in 1915-16.)*

The history of the essay in German literature is studied and the most eminent German essayists, Schopenhauer, Herman Grimm, Karl Hillebrand, Friedrich Nietzsche, etc., are discussed. The influence of French, English, and American writers, in particular Montaigne, Macaulay, and Emerson, is traced, and incidentally the evolution of modern German prose style is treated.

## German Metrics, Dr. Jessen.

*One hour a week during the first semester.*

*(Given in 1914-15 and again in 1916-17.)*

This course consists of lectures on *Deutsche Metrik* or *Verslehre*, with an introduction to phonetics, this being an indispensable *Hilfswissenschaft* for the study of German literature.



German Poetics, Dr. Jessen. *One hour a week during the second semester*

*(Given in 1914-15 and again in 1916-17.)*

Lectures are given on *Deutsche Poetik* and *Stilistik*.

Goethe's *Faust*, Dr. Jessen. *Two hours a week throughout the year.*

*(Given in each year when the time of the department permits.)*

This course is intended as an introduction to the problems of *Faust-philologie*, dealing with both the first and second part of *Faust*.

Goethe's Life and Works, Dr. Jessen. *Two hours a week throughout the year.*

*(Given in each year when the time of the department permits.)*

This course aims at giving an introduction into *Goethe-philologie*.

German Journal Club, Dr. Jessen and Dr. Lasch.

*Two hours once a fortnight throughout the year.*

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment and criticism.

### GENERAL TEUTONIC PHILOLOGY.

The instruction in this department is under the direction of Dr. Agathe Lasch, Associate Professor of Teutonic Philology. Special attention is called to the facilities for the study of comparative Teutonic philology offered by Bryn Mawr College. The English and the German departments together have provided for a complete course in Teutonic philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-Saxon, Old Saxon, Old High German Middle High German, Middle Low German, etc.) and the study of general comparative philology.

The courses in introduction to the study of Teutonic philology, Gothic and Middle High German grammar (first year course) are designed for students in their first year of graduate study in Teutonic languages and the remaining courses for students in their second or third year. The courses given in each year will be planned to meet the needs of the graduate students.

Students intending to elect Teutonic philology are advised to study Greek for at least one year during their undergraduate course.

#### GRADUATE COURSES.

Teutonic Seminary, Dr. Lasch. *Two hours a week throughout the year.*

*(Given in each year.)*

**Graduate  
Courses.**

This seminary is arranged for the benefit of the most advanced students in Teutonic philology. Its object is to encourage independent work on the part of the students. The



work consists mainly of the discussion of special topics by the instructor and the students. Members of the seminary are expected to study the literature on these subjects, and to make an effort to contribute some additional material, or an independent opinion of their own.

In 1913-14 the subjects of the seminary are taken from Middle High German texts. Problems in text criticism as well as literary problems connected with the works of Middle High German poets either of the classical period or of the periods preceding or following it are discussed.

In 1914-15 the first semester will be devoted to High German texts from the fourteenth to the seventeenth century. The material will be taken either from official documents of this period belonging to various parts of Germany or from the works of writers such as Murner, Hans Sachs, Luther, and others; or from grammatical works of this period in Müller's *Quellenschriften und Geschichte des deutschsprachlichen Unterrichts*, John Meier's *Neudrucke älterer deutscher Grammatiken*, etc. They are selected to illustrate the development of Modern High German. In the second semester Old Saxon texts (*Heliand* and *Genesis*) will be studied.

In 1915-16 Old High German texts such as *Mersburger Zaubersprüche*, *Muspilli*, and *Hildebrandslied* will be studied. The many problems that these texts offer and the various attempts to solve them will be discussed.

The order of these seminary subjects may be changed in accordance with the requirements of the students in any particular year.

### Introduction to the Study of Teutonic Philology, Dr. Lasch.

*One hour a week throughout the year.*

*(Given in each year.)*

After a discussion of the aim and method of historical and comparative grammar, these lectures deal with the relation of Teutonic to the cognate Aryan languages. A brief sketch of the single Aryan languages is given, followed by a more comprehensive discussion of the Teutonic languages and chiefly of the West Germanic branch.

### Gothic, Dr. Lasch.

*One hour a week throughout the year.*

*(Given in each year.)*

Gothic phonetics and inflection are studied in connection with the elements of comparative Aryan grammar; on the other hand the Gothic forms are compared with those of other Teutonic languages. Braune's *Gotische Grammatik* (8th ed., Halle, 1912); or Streitberg's *Gotisches Elementarbuch* (3rd ed., Heidelberg, 1910) are used as text-books.

As a thorough knowledge of Gothic is the foundation of the study of historical and comparative Teutonic grammar, every graduate student of Teutonic grammar is advised to take this course as early as possible. *Die gotische Bibel* (ed. by W. Streitberg, Heidelberg, 1908) is used by the more advanced students.

### Middle High German Grammar and Reading of Middle High German Texts, Dr. Lasch.

*Two hours a week throughout the year.*

*(Given in each year.)*

This course includes a brief abstract of Middle High German grammar and literature with special reference to the difference between Middle High German and Modern German, and a study of the most prominent authors in Middle High German. Selections from classical Middle High German poets are read, and also selections from the *Nibelungenlied*, a brief account being given of the history and development of the *Nibelungenlied* and its manuscripts.

Students of Middle High German should be provided with Paul's *Mittelhochd. Grammatik* (7th ed., Halle, 1911), or Michels's *Mittelhochd. Elementarbuch* (2nd ed., Heidelberg, 1912).

This course is required of all students that make German the minor subject in their examination for the degree of Doctor of Philosophy.

The private reading includes the works of the authors treated in the course.

## Old Norse, Dr. Lasch.

*Two hours a week throughout the year.**(Given in each year.)*

Students entering this course are supposed to be acquainted with Gothic and with Anglo-Saxon or Old High German grammar. In the grammatical part of the course the Norse sounds and forms are studied and compared with those of the Gothic and West-Germanic dialects.

In the first year's course prose texts will be read; in the second year the Edda will be studied and some of the problems connected with the study of the Edda will be discussed.

The books used are Heusler's *Altisländisches Elementarbuch* (Heidelberg, 1913) and some of the *Islendinga sögur* (*Altnordische Saga-Bibliothek*) and Hildebrand-Gering's *Edda* (3d ed., Paderborn, 1913).

Attention is called to the facilities afforded for the study of Old Norse. A considerable portion of the library of the late philologist, Th. Wisén, of Lund, was acquired by Bryn Mawr College, and hence the library is probably as well supplied as any other college library in the United States with Old Norse texts, Norse periodicals, and works on Old Norse language and literature.

## Old High German, Dr. Lasch.

*Two hours a week throughout the year.**(Given in 1913-14 and again in 1915-16.)*

This course includes a practical study of Old High German grammar, and a comparison of the Old High German sounds and forms with those of Gothic, Middle and Modern High German. The relations with other cognate languages of the Teutonic branch as well as other Aryan languages (chiefly Latin) are also discussed. Selections are read from Old High German texts, arranged so as to proceed from easy to more difficult pieces and to illustrate the difference between the Old High German dialects.

## Comparative Teutonic Grammar, Dr. Lasch.

*One hour a week throughout the year.**(Given in 1913-14 and again in 1915-16.)*

The study of comparative Teutonic philology is recommended to those students only who are acquainted with the single old Teutonic languages, and have studied Gothic, Old High German, Old Saxon, Anglo-Saxon, and Norse. The object of the course is to compare the various old Teutonic languages with each other and with the related Aryan languages,—or in other words (1) to reconstruct the primitive Teutonic language; (2) to point out the characteristic features of primitive Teutonic in distinction from primitive Aryan; (3) to carry down the history of early Teutonic from the period of unity into the early stages of the individual Teutonic languages.

## Old Saxon, Dr. Lasch.

*Two hours a week during the second semester.**(Given in 1914-15 and again in 1916-17.)*

The work presupposes on the part of the students a sufficient knowledge of Gothic and Old High German. Holthausen's *Altsächsisches Elementarbuch* (Heidelberg, 1900) or Gallée, *Altsächsische Grammatik* (2nd ed., Halle, 1910), the *Heliand* (Behaghel's edition), and Zangemeister-Braune's *Bruchstücke der altsächsischen Bibeldichtung* (Heidelberg, 1894) are used.

## History of Modern High German, Dr. Lasch.

*One hour a week throughout the year.**(Given in 1914-15 and again in 1916-17.)*

These lectures deal with the history of the development of the German written language during the Modern High German period. The most important *Kanzleisprachen*, the most prominent *Druckersprachen*, Luther, Modern German sounds and forms in their relation to the German dialects and to the rules of the *Bühnenaussprache*, will be discussed.

In addition to the above courses, others in Old Frisian, Dutch, Middle Low German, or Modern Low German may be arranged for students that have previously studied Gothic, Old and Middle High German, Anglo-Saxon, and Old Saxon.

## ROMANCE LANGUAGES.

### French.

The instruction in this department is under the direction of a Professor of French Literature to be appointed; Dr. Richard Thayer Holbrook, Associate Professor of French Philology and Italian, Mr. Louis Cons, Associate in French, and Dr. Eunice Morgan Schenck, Reader in French.

The instruction offered in French covers thirty-three hours of lectures and recitations a week; it includes five hours a week of matriculation French; ten hours a week of undergraduate major and minor work; five hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in French; and thirteen hours a week of graduate work in modern French literature and in Old French literature and language.

#### *Matriculation Course.*

A class for beginners in French five hours a week throughout the year, is provided, in order that those students whose matriculation examination did not include French may with less difficulty obtain the reading knowledge of it that they must possess before receiving a degree. By great diligence such students may acquire sufficient knowledge to be admitted should they desire it, into the first year of the major course in French. This course is given by Dr. Schenck.

#### *Major Course.*

Entrance to the major course in French presupposes as much knowledge as is required to pass the matriculation examination in this subject. All the courses in French are conducted in the French language.

### FIRST YEAR.

#### *(Minor Course.)*

Lectures on the history of French Literature of the nineteenth century, accompanied by collateral readings from representative French authors, Mr. Cons.

*Three hours a week throughout the year.*

*(Given in 1913-14.)*

These lectures are delivered in French, and students are expected to take notes and answer questions in French. The aim of the course is to train the students to follow lectures in French as well as to acquaint them with the main features of eighteenth century literature.



## French Essayists.\*

Two hours a week throughout the year.

(Given in 1914-15 and in each succeeding year.)

In the first semester nineteenth century essayists are studied; in the second semester essayists from Montaigne to the end of the eighteenth century.

Private reading: Chateaubriand, *Atala* and *René*, V. Hugo, *Hernani* and *Ruy Blas*, must be read by students taking the course in the first semester. Maeterlinck, *Pelléas et Mélisande*, *l'Intruse* and *La Mort de Tintagiles*, must be read by students taking the course in the second semester. Examinations on the private reading must be taken by all students pursuing the French courses at the scheduled time during the semester for which the reading is assigned.

Critical Readings in French prose and poetry. Practical Exercises in French Syntax and Composition, Dr. Schenck.

Three hours a week throughout the year.

(Given in each year.)

In the first semester selections from Taine's *Origines de la France Contemporaine* are read; in the second semester selections from the poetry of Victor Hugo are read and a special study is made of the Napoleonic cycle of poems. Some of Napoleon's speeches and proclamations are also read.

In the course in syntax and composition Armstrong's *Syntax of the French Verb* is used. Lectures on phonetics are given one hour a week until Christmas and all students taking the course are required to attend one hour a week for oral practice in addition to the lecture hours.

In 1913-14 this course was given two hours a week throughout the year in two divisions conducted by Dr. Schenck and Mrs. Cons.

Private reading: Vigny, *Servitude et Grandeur Militaire*, must be read by students taking the course in the first semester; Rostand, *L'Aiglon* and Musset, *Fantasia*, must be read by students taking the course in the second semester. Examinations on the private reading must be taken by all students pursuing the French courses at the scheduled time during the semester for which the reading is assigned.

The advanced standing examinations, or examinations taken without attendance on the college classes, in the reading and composition of the minor, two hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under French governesses the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination in translation will consist of sight translation from French (usually poetry) into English. V. Hugo's *Les Châtiments* (Hachette, Paris), *La Légende des Siècles*, *id.* (the first two volumes), or Schinz's *Selections from Victor Hugo* (Heath, Boston) will give an idea of the kind of translation required. The examination in composition will as a rule consist in translating a few detached sentences of every-day idiomatic English, such as may be found in Sweet's *Primer of Spoken English*, or the German edition of it (*Elementarbuch des Gesprochenen Englisch*. Oxford, Clarendon Press), or Chardenal's *French Exercises for Advanced Pupils* (Allyn and Bacon, Boston). The private reading examinations must be taken not later than the third semester after that in which the advanced standing examination is offered.

## SECOND YEAR.

(Given in each year.)

Lectures on the history of French Literature in the seventeenth century accompanied by collateral reading.\* Two hours a week during the first semester.

\* This course will be given in 1914-15 by an instructor whose appointment will be announced later.



Lectures on the French Novel accompanied by collateral reading.\*

*Two hours a week during the second semester.*

In 1913-14 this course was given by Mr. Cons as a course on the history of French literature from the earliest times to the end of the seventeenth century, three hours a week throughout the year.

Studies in French Style, Composition,\* etc., Mr. Cons.

*One hour a week throughout the year.*

This course must be taken together with the courses in history of French literature and the French novel.

Private reading: *Chanson de Roland* (traduction Gautier), and Bédier, *Tristan et Isolt*, must be read by students taking the course in the first semester; Corneille, *Le Cid*, *Cinna*; Racine, *Andromaque*, *Athalie*; Molière, *Tartuffe* and *Le Misanthrope*; Boileau, *Art Poétique* (*Chant I*), Pascal, *Lettre Provinciale*, V; Bossuet, *Oraison funèbre de Condé* must be read by students taking the course in the second semester. Examinations on the private reading must be taken by all students pursuing the French courses at the scheduled time during the semester for which the reading is assigned.

Critical Readings and Studies in French Romantic Drama of the nineteenth century,\* Mr. Cons.

*Two hours a week throughout the year.*

This course deals especially with the effect of foreign influences on the development of French romantic drama. It may be counted as part of the major course in comparative literature by students not taking French as the other subject of their group.

Private reading: Corneille, Molière, *Théâtre Choisi* (ed. Thirion, Hachette, Paris), must be read by students taking the courses in the first semester; Brieux, *Blanchette*; Maeterlinck, *La Vie des Abeilles*, must be read by students taking the courses in the second semester. Examinations on the private reading must be taken by all students pursuing the French courses at the scheduled time during the semester for which the reading is assigned.

The advanced standing examinations or examinations taken without attendance on the college classes in the reading and composition of the major, two hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence, that they have obtained before entering the college by regular and systematic study, or by residence abroad or work under French governesses, the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination in translation will consist of sight translation from French (usually poetry), into English. V. Hugo's *Les Châtiments* (Hachette, Paris), *La Légende des Siècles*, *id.* (the first two volumes), or Warren's *Selections from Victor Hugo* (Holt, New York) will give an idea of the kind of translation required. More difficult passages will be selected than for the minor advanced standing examination. The composition consists of one or two pieces of connected English, taken from such books as Stevenson's *Treasure Island*, Jerome K. Jerome's *Idle Thoughts of an Idle Fellow*. No specific question in French grammar is asked; students are expected to show their knowledge of grammar in the composition. Cameron's *The Elements of French Composition* (Holt, New York), and Storm's *French Dialogues* (Macmillan, London) will be found useful in composition work. The private reading examinations must be taken not later than the third semester after that in which the advanced standing examination is offered.

*Group:* French with Italian and Spanish, or with any language, or with Comparative Literature, or with Modern History, or with History of Art.

\* See footnote, page 119.

## POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

**Post-Major Courses.**

Modern Literary Schools and Tendencies in France, Mr. Cons.

*Three hours a week throughout the year.*

*(Given in 1913-14.)*

Modern French Symbolists from Verlaine to the writers of the present day will be studied in connection with modern conditions in France.

Modern French Drama.\*

*Three hours a week throughout the year.*

*(Given in 1914-15.)*

The lectures deal with post-romanticism, realism and mysticism on the French stage. Rostand, Brieux, and Maeterlinck will be specially studied.

The Short Story (*Nouvelle*) in the Nineteenth Century, Dr. Schenck.

*Two hours a week throughout the year.*

*(Given in 1913-14 and again in 1915-16.)*

In the first semester the *nouvelles* of the romantic period are studied in the works of Chateaubriand, Nodier, Vigny, Musset, Balzac, Mérimée, and Gautier. The lectures of the second semester treat the development and modification of realism by Flaubert, Zola, Daudet, Coppée, Loti, Bourget, France and others, while a careful study of the technique of the *nouvelle* is made in connection with Maupassant.

French Lyric Poetry of the Nineteenth Century, Dr. Schenck.

*Two hours a week throughout the year.*

*(Given in 1914-15 and again in 1916-17.)*

In the first semester the lectures treat lyric poetry until the year 1866. Special attention is paid to the period from 1850 to 1866. Lamartine, Hugo, Sainte-Beuve, Vigny, and Musset are studied only so far as is necessary for the understanding of the evolution of lyric poetry in their successors, Baudelaire, Gautier, Banville, Leconte de Lisle, Sully Prudhomme, Coppée, Mendès, etc. The lectures of the second semester treat lyric poetry from 1866 to the present day. A careful study is made of the Parnassian school. Throughout the course the lectures are supplemented by the critical reading of texts.

## GRADUATE COURSES.

Thirteen hours a week of seminary work and graduate lectures are offered each year to graduate students of French, accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the post-major courses of the department amounting to five hours a week may be elected by graduate students. Graduate students interested in the study of literature will also find it to their advantage to attend the lectures on French literature two hours a week in the major course in French.

**Graduate Courses.**


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\* See footnote, page 119.

There are offered each year three distinct graduate courses in French, two in literature and one in language, and these courses are varied so that they may be pursued by students through three or more consecutive years.

Students who choose French literature as their major subject in their examination for the degree of Doctor of Philosophy must offer French philology as one of the minor subjects and students who offer French philology as a major subject must offer French literature as one of the minor subjects.

*Literature.*      Seminary in French Literature.\*      *Three hours a week throughout the year.*  
(Given in each year.)

In 1914-15 the subject of the seminary will be Romanticism and Realism in the 19th century as illustrated by Chateaubriand, Sénancourt, Benjamin Constant, De Maistre, Lamennais, Fourier, Saint-Simon, and others; Romanticism of Victor Hugo; a careful study of *Les Misérables*; philosophical and historical realism (Renan, Taine).

In 1915-16 the subject of the seminary will be Montaigne. Various problems connected with his life, his relations to Protestantism and to the political problems of his time, the question of the authorship of the *Discours sur la servitude volontaire*, the origin and sources of the essays, Montaigne and the Renaissance, and Montaigne and Plutarch are discussed. A special study is made of Montaigne's style and of the *Apologie de Raymond de Sebonde*.

In 1916-17 a study will be made of Rabelais. The investigations of Abel Lefranc on Rabelais will be brought into connection with the "Conteurs" and also with such writers as Bernard Palissy and Ambrose Paré.

Seminary in French Literature.\*      *Two hours a week throughout the year.*  
(Given in each year.)

In 1913-14 the subject of the seminary is Molière. The subjects studied are French Comedy before Molière; Molière's comedies, their Latin, Italian and French sources; his style and method of composition; the nature of his "comique," his philosophy and his morality. In this year the seminary is conducted by Mr. Cons.

The subject of the seminary in 1914-15 will be Ronsard and the *Pléiade*, the object being to determine the origin, the extent, and the success of the Renaissance movement in France. The chief works of Ronsard and his successors, especially Du Bellay and Baif are read and discussed.

In 1915-16 the subject of the seminary will be *La "Matière de Bretagne" et l'épopée courtoise*. The course includes a careful study of the *Lais* of Marie de France, the poem referring to Tristan, and the *Romans* of Chrétien de Troie; these are studied in connection with the question of their origin in Celtic countries and their later development in France. The different theories that have been proposed as to their origin and evolution are examined and discussed and an attempt is made to determine their comparative value.

*Language.*      The course in Old French Philology is intended for students in their first year of graduate study; that in Old Provençal and the Old French Seminary for students in their second or third year of graduate study; the Journal Club may be attended by students in their first, second, or third year of graduate study. The course in Old French Readings is designed to be taken in connection with the Old French seminary.

Old French Philology, Dr. Holbrook.      *Three hours a week throughout the year.*  
(Given in each year.)

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\* See footnote, page 119.



This course consists of lectures on the phonology, morphology, and syntax of Old French, and is designed not only for students whose main pursuit is Romance philology, but also for those who wish to acquire more precise knowledge of the French elements in Middle English. The main principles of Historical Grammar are studied in the *Extraits de la Chanson de Roland*, published by Gaston Paris, and in various texts in L. Constans's *Chrestomathie*. Other books used are Passy's *Sounds of the French language*, Grandgent's *Introduction to Vulgar Latin*, Nyrop's *Grammaire Historique de l'Ancien Français*, and Schwan-Behrens's *Grammaire de l'Ancien Français*.

Old French Readings, Dr. Holbrook. *Two hours a week throughout the year.*

(Given in each year.)

Various typical Old French masterpieces are studied from a scientific standpoint. The essential facts of Old French grammar are reviewed and rare or difficult locutions are minutely examined for the sake of precise interpretation; dialectal features are considered and attention is given to the relation of manuscripts to printed texts. In addition to the works named below, students are expected to supply themselves with Gaston Paris's *Littérature française au moyen âge*.

The following courses may be rearranged to suit the needs of students in any particular year.

In 1913-14 attention is given mainly to epic and historical works: Wace, *Le pèlerinage de Charlemagne*, Villehardouin, Joinville, and other chroniclers.

In 1914-15 the texts studied will be Marie de France (*Lais*), *Aucassin et Nicolette* and the *Yvain* or *Cligès* of Chrestien de Troyes.

In 1915-16 this course will be devoted chiefly to study of the following texts: *Maistre Pierre Pathelin* and Villon.

Old French Seminary, Dr. Holbrook. *Two hours a week throughout the year.*

(Given in each year.)

The work of the seminary is on the most important Old French dialects. Texts in Norman, Picard, Francian and Franco-Provençal are studied with reference to their dialectal features in order that the student may acquire the power to determine approximately the origin of other texts in which the same dialectal features occur.

Old Provençal, Dr. Holbrook. *Two hours a week throughout the year.*

(Given in each year.)

This course is intended for students of Old French who wish to begin the study of the language and literature of the Troubadours. The books required are Grandgent's *Outline of the Phonology and Morphology of Old Provençal* (Boston, 1905) and Appel's *Provenzalische Chrestomathie* (latest edition).

Romance Languages Journal Club, Dr. DeHaan, Dr. Holbrook, Mr. Cons, Dr. Schenck.

*One and a half hours a fortnight throughout the year.*

(Given in each year.)

The journal club is intended to make the advanced students familiar with all the important European periodicals and with new books dealing with Romance Philology. For each session of the club an important article chosen from some one of the various periodicals is assigned to a student for review. The student is also referred to previous articles or publications treating of the same subject as that of the review, and is expected to present to the club a chronological outline of the history and stages of the discussion on the given point. Thus the students become familiar with the names of leading Romance scholars and with the particular lines of research in which each of the latter excels. At the same time such reviews prepare the way for seminary work and original investigations.



## Italian.

The instruction in this department is under the direction of Dr. Richard Thayer Holbrook, Associate Professor of French Philology and Italian.

The instruction offered in Italian covers nine hours of lectures and recitations a week; it includes seven hours a week of undergraduate minor and major work; and two hours a week of graduate work.

A combination of five hours a week for one year of the minor course in Italian with five hours a week for one year of the minor course in Spanish forms a major course and may be taken with any other language or with comparative literature to form a group. Any of the undergraduate courses in Italian may be taken as free elective courses.

### FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

### Major Course.

Italian, Dr. Holbrook.

*Five hours a week throughout the year.*

(May be taken as a free elective.)

This course is designed to prepare beginners for the study of Italian literature, as well as for the practical use of the language. Reading is taken up from the start, a careful pronunciation is insisted upon, and the essentials of the grammar are taught by a critical observation of the texts used and by graded exercises in the rendering of English into Italian. The books used are the following: C. H. Grandgent's *Italian Grammar*; Stories by Fogazzaro and Hecker's *Il Piccolo Italiano*; Giuseppe Finzi's *Petrarca* (1900); De Marchi's *Storie*; selections from the verse and prose of Renato Fucini and others.

### SECOND YEAR.

(*Given in each year.*)

Italian Classical Literature, Dr. Holbrook.

*Two hours a week throughout the year.*

The work in this course is to study selections in verse and prose from Ariosto and Tasso, then all the *Inferno* and parts of the *Purgatorio* and *Paradiso*. For Ariosto and Tasso the study of difficult modern prose and poetry may be substituted, with exercises in writing and speaking. Training in pronunciation is given throughout the course. The lectures in literature are delivered in Italian.

*Group:* Italian and Spanish with any language, or with comparative literature or Italian with History of Art.

### GRADUATE COURSES.

### Graduate Courses.

Two hours a week of seminary work and graduate lectures are offered each year to graduate students of Italian accompanied by the direction of private reading and original research. The books needed by the graduate

students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries.

Italian Philology, Dr. Holbrook.

*One hour a week throughout the year.*

*(Given in each year.)*

This course presupposes a knowledge of Old French Philology and the equivalent of the minor and major courses in Italian offered at Bryn Mawr College. The work is founded upon the treatise entitled *Die Italienische Sprache* by D'Ovidio and Meyer Lübke in Gröber's *Grundriss* (Strassburg, 1906). Various passages from thirteenth and fourteenth century authors are examined critically from a phonological and morphological point of view.

Old Italian Readings, Dr. Holbrook.

*One hour a week throughout the year.*

*(Given in each year.)*

Students should provide themselves with the first volume of D'Ancona and Bacci's *Manuale della Letteratura Italiana* (Florence, 1904).

Romance Languages Journal Club, Dr. DeHaan, Dr. Holbrook, Mr. Cons, Dr. Schenck.

*One and a half hours a fortnight throughout the year.*

The instructors and advanced students meet to report on and discuss recent reviews and critical articles.

## Spanish.

The instruction in this department is under the direction of Dr. Fonger DeHaan, Professor of Spanish.

The instruction offered in Spanish covers eighteen hours of lectures and recitations a week; it includes ten hours a week of undergraduate minor and major work; two hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in Spanish; and six hours a week of graduate work.

A combination of five hours a week for one year of the minor course in Spanish with five hours a week for one year of the minor course in Italian forms a major course, and may be taken with any other language to form a group. Students may thus elect ten hours of Spanish, or five hours of Spanish and five hours of Italian to form a major course.

### FIRST YEAR.

*(Minor Course.)*

*(Given in each year.)*

Spanish, Dr. DeHaan.

*Five hours a week throughout the year.*

The object of this course is to give beginners a good knowledge of modern Spanish, and to ground them thoroughly in the essentials of the grammar. As a preparation for understanding the spoken language, two half-hours a week during the second semester are devoted to dictation. The books studied are the following (taken up in the order indicated): De Haan's *Cuentos Modernos*; Pérez Nieva, *Tomás el torrero* (Madrid, *Colec-*

**Major  
Course.**

ción Klong); DeHaan's *Selected Works of G. A. Bequer*; Hartzenbusch, *Los Amantes de Teruel* (Obras, vol. III.); Zorrilla, *Granada* (Madrid, 1895, 2 vols.).

Private reading: Palacio Valdés, *José*; Galdós, *Marianela*.

#### SECOND YEAR.

(Given in each year.)

Lectures in Spanish on Spanish Literary History of the Nineteenth Century, Dr. DeHaan. *Two hours a week throughout the year.*

Spanish Composition, Dr. DeHaan. *One hour a week throughout the year.*

Critical Reading in Spanish, Dr. DeHaan.

*Two hours a week throughout the year.*

Private reading supplementing the lectures on literary history comprises representative works in the various branches of literature.

*Group:* Spanish, or Italian and Spanish with any language, or with comparative literature *or* Spanish with History of Art.

#### POST-MAJOR COURSE.

#### **Post-Major Course.**

The post-major course is designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect this course.

Advanced Spanish, Dr. DeHaan.

*Two hours a week throughout the year.*

(Given in each year.)

The course consists of readings of classical, pre-classical, and modern literature, translation of English prose into Spanish, and the writing of compositions in Spanish. Some time is devoted to the study of the history of Spanish literature.

#### GRADUATE COURSES.

#### **Graduate Courses.**

Six hours a week of seminary work and graduate lectures are offered each year to graduate students of Spanish accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the post-major course of the department amounting to two hours a week may be elected by graduate students.

Seminary in Spanish, Dr. DeHaan.

*Three hours a week throughout the year.*

(Given in each year.)

Spanish language and literature before 1600 is the subject of the seminary.

Spanish Philology, Dr. DeHaan.

*One hour a week throughout the year.*

(Given in each year.)

Old Spanish Readings, Dr. DeHaan.

*One hour a week throughout the year.*

(Given in each year.)

Romance Languages Journal Club, Dr. DeHaan, Dr. Holbrook, Mr. Cons, Dr. Schenck.

*One and a half hours a fortnight throughout the year.*

The instructors and advanced students meet to report on and discuss recent reviews and critical articles.

## COMPARATIVE LITERATURE.

The instruction in this department is under the direction of Dr. Orie Latham Hatcher, Associate Professor of Comparative and Elizabethan Literatures, Dr. Karl Detlev Jessen, Professor of German Literature, the Professor of French Literature, and Miss Georgiana Goddard King, Lecturer in Comparative Literature and History of Modern Art.

The instruction offered in comparative literature covers nineteen hours of lectures and recitations a week; it includes ten hours a week of undergraduate minor and major work, two hours of free elective work, and seven hours a week of graduate work. Any of the undergraduate courses may be taken as free elective courses, but they are open only to those students who have completed the two years' required course in English and possess a reading knowledge of one language besides English. Students electing comparative literature as a major subject must possess a reading knowledge of Latin and of one modern language at the beginning of the first year course, and a reading knowledge of Latin and of two modern languages before entering on the work of the second year. The study of either Italian or Spanish is recommended to students intending to elect comparative literature as a group and should be begun as early as possible after entering college. The major course in modern history, Europe in the Age of the Renaissance, is also recommended to such students.

## FIRST YEAR.

*(Minor Course.)*

Elizabethan Lyrics in the Light of their Origins, Dr. Hatcher.

*Three hours a week throughout the year.*

**Major  
Course.**

*(Given in each year.)*

The object of the course is two-fold: to acquaint the student with the body of Elizabethan lyric poetry and to show the variety of its native and foreign origins. The lectures and a part of the reading will discuss the development on the continent of lyric themes and forms which later prevailed in Elizabethan England. A reading knowledge of French is required.

Italian Models in Renaissance Literature, Miss King.

*Two hours a week throughout the year.*

*(Given in 1913-14.)*

The study of the literature of the Italian Renaissance begins with an examination of its ideals of education and character, and, after a short excursus on the influence of the



other arts upon literature between 1300 and 1600, indicates the chief differences which appeared as the movement reached its culmination in France and England, and the standards of taste and ideals of life which it finally imposed.

*Faust-Legend* and similar legends in mediæval and modern literature : Goethe, *Faust* (1st and 2nd parts), Dr. Jessen.

*Two hours a week throughout the year.*

(Given in each year.)

The course aims to be a comparative study of an interesting group of literary products of both mediæval and modern literature. Starting with the comparative history of such Faustlike legends in mediæval literature as those of Theophilus and Cyprian, up to Calderon's *Il magico prodigioso*, the Faust-Legend in its many pre-eminently English and German ramifications, will be taken up, including especially Marlowe's *Doctor Faustus*. Goethe's *Faust* will be the centre of comparative study, showing what in it is due to Rousseauism, to Romanticism, and to other currents of thought. Faustlike literature, especially German and English, of a later date, as far as it is of literary importance will bring the consideration as far up to date as possible. The course will consist of lectures, reports and readings. This course is part of the major course in German and is open only to students who have completed the minor course in German. Students who take German and comparative literature as their group must substitute another course.

#### SECOND YEAR.

Renaissance Pastorals, Dr. Hatcher. *Three hours a week throughout the year.*

(Given in each year.)

The persistence and significance of the pastoral tradition in literature is examined and recognition is given to the large debt of moderns to the classical pastoralists, but the course is designed as a study of the pastoral vogue in the later Renaissance as expressed in its several forms. A reading knowledge of Latin and of French is required.

Victorian Poets: Their Continental Sources, Miss King.

*Two hours a week throughout the year.*

(Given in 1913-14.)

Critical Readings and Studies in French Drama of the Nineteenth Century.\*

*Two hours a week throughout the year.*

(Given in each year.)

This course deals especially with the effect of foreign influences on the development of French romantic drama. It forms part of the major course in French and is open only to students who have completed the minor course in French. Students who take French and comparative literature as their group must substitute another course.

*Group: Comparative Literature with English, or with German, or with French, or with Italian, or with Spanish, or with Italian and Spanish.*

#### FREE ELECTIVE COURSE.

Forms of the Drama, Dr. Hatcher. *Two hours a week throughout the year.*

(Given in 1914-15.)

The course does not attempt a historical survey of the development of drama as literature, but an inquiry into the essence of drama as such, the nature of its appeal, and its

**Free  
Elective  
Course.**

\* See footnote, page 119.

more striking forms,—as comedy, tragedy, melodrama, etc. The plays read are chosen as being illuminating in connection with this inquiry. Students electing the course are expected to do a considerable amount of reading in either French or German and a small amount in the other of these two languages. The minor Latin course in Terence and the major course in Roman Comedy offer valuable preliminary work for this course.

#### GRADUATE COURSES.

The seminary in comparative literature changes its subject of study from year to year through a cycle of three years, and the order of subjects may be changed in accordance with the needs of the students. The seminary in Elizabethan literature may be elected as a seminary in comparative literature by students having a reading knowledge of Italian. The seminary in French literature, Romanticism and Realism may also be elected as comparative literature. **Graduate Courses.**

Students intending to do special work in comparative literature are advised to begin the study of Italian or Spanish and are required to have a reading knowledge of both languages if taking comparative literature as a major subject.

Seminary in Literature of the Renaissance, Dr. Hatcher.

*Two hours a week throughout the year.*

*(Given in each year.)*

In 1913-14 the seminary undertakes the study of the *novella* or the short prose tale in the Romance countries and England. Pre-requisite for the course, French and either Spanish or Italian.

In 1914-15 the subject of the seminary will be the beginnings of modern literary criticism in the late Renaissance in Italy, France, and England. Sixteenth century theories as to the function of poetry, the nature of the epic, of tragedy, comedy, etc., are examined, as also the conflict of classicism and romanticism, etc. Each student is assigned a topic for original investigation. Students must consult the instructor as to linguistic equipment before registering for the course.

In 1915-16 the subject will be the court comedy of the Italian Renaissance in the first quarter of the sixteenth century, with reference to its variety of type and content and its influence upon court drama in Spain and England. Pre-requisite for the course either Italian or Spanish.

Seminary in French Literature.\*

*Three hours a week throughout the year,*

*(Given in 1914-15.)*

The subject of the seminary will be Romanticism and Realism in the 19th century as illustrated by Chateaubriand, Sénancourt, Benjamin Constant, De Maistre, Lamennais, Fourier, Saint-Simon, and others; Romanticism of Victor Hugo; a careful study of *Les Misérables*; philosophical and historical realism (Renan, Taine).

Seminary in Elizabethan Literature, Dr. Hatcher.

*Three hours a week throughout the year,*

(This seminary may be elected as comparative literature by students having a reading knowledge of Italian.)

In 1913-14 Elizabethan drama is studied—its native and foreign origins, its extent, variety, development, and decadence are discussed. Contemporary documents and other sources of information about Elizabethan drama are examined. Each student takes some topic for investigation.

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\* See footnote, page 119.

In 1914-15 the subject studied is Spenser,—his inspiration, models and sources, the many influences working upon him and those emanating from him, and his initiative in solving the literary problems of his time. All his works are read and the results of Spenserian research are examined. Each student investigates some special problem.

In 1915-16 Shakespeare will be the subject of the seminary. Inquiry will be made into the significant results of Spenserian scholarship; dramatic and other records relating to Shakespeare are examined and two of the plays are read for intensive study. Each student is assigned some topic in connection with the sources of Shakespeare's plays for special study.

### SEMITIC LANGUAGES AND BIBLICAL LITERATURE.

The instruction in this department is under the direction of Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages. The instruction offered in this department includes three hours a week of Oriental History, three hours a week of free elective courses in Biblical Literature, and six hours a week of graduate courses in Semitic Languages.

The college was particularly fortunate in securing in the year 1892 the library of the late M. Arthur Amiaud, of Paris. While M. Amiaud was especially eminent as an Assyriologist, he was also prominent as a general Semitic student. His library was the collection of an active scholar, and forms a working library for the student in every department of Semitic study. It is especially rich in the Hebrew, Syriac, and Assyrian languages, containing several works, indispensable to the student, which are now out of print. Another Semitic library containing many works on the Talmud and on Jewish literature was acquired in 1904. In 1907 Mr. Albert J. Edmunds presented to the college his library of 500 volumes on the history of religion. The contents of these libraries, together with the books already owned by the college and those easily accessible in neighboring libraries, form an exceptionally good collection of material for the specialist in Semitic languages. A good working collection of cuneiform tablets is under the control of the department, and affords an excellent opportunity for students of Assyrian to become familiar with original documents.

#### MINOR COURSE.

*(Given in each year.)*

#### **Minor Course.**

Oriental History, Dr. Barton.

*Three hours a week throughout the year.*

(May be taken as a free elective or may be substituted for part of the second year of required science, or part of the minor course in ancient history.)

This course treats in broad outlines the history and civilisation of the classical orient.



The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal oriental nations, Egyptians, Babylonians, Assyrians, Phœnicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archaeological specimens and by photographs. Either semester may be elected separately.

#### FREE ELECTIVE COURSES.

The courses in Biblical Literature are intended primarily for undergraduate students, but may be elected by graduate students also.

*Free  
Elective  
Courses.*

History of the New Testament Canon, Dr. Barton.

*One hour a week throughout the year.*

*(Given in 1913-14 and again in 1915-16.)*

This course, which alternates with the course on the Old Testament Canon, consists of a study of the New Testament.

The History of Christian Doctrine, Dr. Barton.

*Two hours a week throughout the year.*

*(Given in 1913-14 and again in 1915-16.)*

In the first semester Christianity is studied as presented by its Founder and by the apostles, and in the second semester the history of Christian doctrine from 100 A. D. to the present time is briefly reviewed, and problems presented by modern thought are touched upon.

History of the Old Testament Canon, Dr. Barton.

*One hour a week throughout the year.*

*(Given in 1914-15 and again in 1916-17.)*

In this course the history of the composition and collection of the books of the Old Testament is studied. The instruction is given in lectures, and readings are assigned in the Old Testament itself and in modern literature concerning it.

New Testament Biography, Dr. Barton. *Two hours a week throughout the year.*

*(Given in 1914-15 and again in 1916-17.)*

The first semester of this course is devoted to a careful study of the life and teaching of Christ; the second semester to the life and teaching of St. Paul. The instruction is given in lectures, and the Gospels and Epistles are read together with the most helpful of the modern works on these topics. The course is illustrated by photographs of the most important places connected with the lives of Christ and St. Paul.

Biblical Geography and Archæology, Dr. Barton.

*Two hours a week throughout the year.*

*(Given when the time of the department permits.)*

The course begins with a survey of the physical features of Palestine and an estimate of their effect upon its civilisation. The succession of races dominant in Palestine since the beginning of history is then reviewed, after which the positions of the places important in the Biblical narrative are carefully noted. The principal Biblical narratives are studied in connection with the geography of the country and the archæological remains of the period. In this way the narratives of the Patriarchs, Kings, Prophets, and Apostles,



as well as the life of Christ, are illustrated. The course is illustrated by photographs. Use is made throughout the course of the publications of the Palestine Exploration Fund, and of other modern explorers.

New Testament Greek, Dr. Barton. *Two hours a week throughout the year.*

*(Given when the time of the department permits.)*

This course presupposes a knowledge of classical Greek. After some introductory lectures on the formation and peculiarities of the New Testament Greek, one hour a week during the first semester is devoted to lectures on the history of the New Testament text, both in its written and in its printed form, the helps extant for emending it, and the method of using them. The remainder of the time is devoted to the interpretation of the New Testament Epistles, especially those of Paul. The students are expected to read privately during the first semester the text of one of the Gospels, and during the second, either the *Acts of the Apostles*, the *Apocalypse*, or the *Epistle to the Hebrews*.

#### GRADUATE COURSES.

#### *Graduate Courses.*

Seminary work and graduate lectures amounting to at least five hours a week are offered each year to graduate students of Semitic languages and Biblical Literature accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the elective courses of the department amounting to three hours a week may be elected by graduate students.

The graduate courses in Semitic languages are varied from year to year, as indicated below, so that they may be pursued by a student for four successive years. Those who offer Semitic languages as the major subject in the examination for the degree of Doctor of Philosophy are required to spend in Semitic work half their time for at least three years.

The work of the department is so arranged that students may specialise in Hebrew or Assyrian. Students who offer Hebrew or Assyrian as the major subject in the examination for the degree of Doctor of Philosophy must possess a knowledge of the grammatical forms of five Semitic languages and in this enumeration Syriac and Jewish Aramaic may not count as separate languages. Students that offer Semitic languages as the minor subject in the examination for the degree of Doctor of Philosophy must show that they have a knowledge of three Semitic languages.

The regular alternation of courses is indicated below and at least five hours a week will be given in each year, the courses being selected according to the needs of the graduate students. Graduate students may enter in any year of the four years' course, as there will be afforded each year an opportunity for graduate students to begin Hebrew.

No undergraduates are admitted to graduate courses.

The following courses are offered in 1913-14 and again in 1915-16:

Semitic Seminary, Dr. Barton. *Two hours a week throughout the year.*

The work of the seminary is continued as given in 1912-13.

Hebrew, The Prophets, Dr. Barton. *One hour a week throughout the year.*

The text of one or more of the Prophets is critically interpreted, and Hebrew syntax and composition are studied.

**Hebrew Literature, Dr. Barton.***One hour a week throughout the year.*

This course is devoted to a study of the Prophets, the Pentateuch, and the historical books of the Old Testament.

**Seminary in New Testament Greek.***One hour a week throughout the year.***Elementary Hebrew.***One hour a week throughout the year.***Egyptian.***One hour a week throughout the year.*

The elements of Egyptian and Coptic grammar are taught, and some texts in each language interpreted.

The following courses are offered in 1914-15 and again in 1916-17:

**Semitic Seminary, Dr. Barton.***Two hours a week throughout the year.*

This seminary is devoted to Hebrew or Assyrian, the languages that may be offered as major subjects for the doctor's degree. The time may be devoted to one of these languages, or may be divided between the two, according to the needs of the students. In Assyrian the subject may be chosen from one of the following: the oldest Babylonian inscriptions, temple archives of Telloh, Sumerian hymns, the code of Hammurabi, Semitic contracts or mythological poetry. In Hebrew one of the following subjects may be selected: the historical books, Job, the Psalter, Isaiah, Jeremiah, Ecclesiastes, and the Song of Songs, or Hebrew Epigraphy. In the Hebrew seminary the students are trained in textual criticism through the use of the ancient versions.

**Elementary Semitic Languages, Dr. Barton.***Two hours a week throughout the year.*

This course may be devoted to the elements of Hebrew, or of Aramaic (Syriac and Jewish Aramaic), or Assyrian, or Arabic according to the needs of the students. The time may, if necessary, be divided between two of these languages.

**Seminary in New Testament Greek, Dr. Barton.***One hour a week throughout the year.*

The work of the seminary is varied from year to year, so that a continuous course, covering the interpretation and the literary problems of the entire New Testament and the sub-Apostolic literature, may be pursued through four years. A year is devoted to the New Testament Epistles, another to the interpretation of the Gospels and the Synoptic and Johannine problems, a third to the books of Acts and Revelation, and a fourth to the Apostolic Fathers. During the first year of her work each student is given guidance in a course of reading on the history of the text and the science of textual criticism and also guidance in the practice of this discipline.

**Seminary in Aramaic and Arabic, Dr. Barton.***Two hours a week throughout the year.*

This seminary is devoted to Arabic or Aramaic the languages that may be offered as minor subjects for the doctor's degree. The time may be devoted to one of the languages, or may be divided between the two, according to the needs of the students. In Arabic the subject may be chosen from one of the following: the Coran, pre-Islamic poetry, Arabic geographers, or South Arabic inscriptions. In Aramaic, one of the following subjects may be selected; a comparative study of the Syriac Versions of the Gospels, the Syriac Version of one of the Old Testament books, the writings of Gregory Bar Hebraeus, or of Efraem, the Targum on one of the Old Testament books, the Talmud, or Aramaic inscriptions.

**Comparative Semitic Grammar, Dr. Barton.***One hour a week throughout the year.*

The grammar of Brockelmann is used as a basis with comparisons from the Egyptian and other Hamitic languages.

Ethiopic, Dr. Barton.

*One hour a week throughout the year.*

The grammar and *Chrestomathia* of Praetorius and Dillmann are used, and in the latter part of the course selections are read from the book of Enoch.

## History.

The instruction in this department is under the direction of Mr. Clarence H. Haring, Associate in History, Dr. William Roy Smith, Associate Professor of History, and Dr. Paul Van Brunt Jones, Lecturer in History, Dr. George A. Barton, Professor of Semitic Languages and Biblical Literature, and Dr. James Fulton Ferguson, Associate in Latin and Ancient History.

The instruction offered in history covers forty-three hours of lectures a week; it includes seventeen hours a week of undergraduate major and minor work in modern history and ten hours a week of major and minor work in ancient history; nine hours a week of post-major work, open only to graduates and undergraduates that have completed the major course in history, and seven hours a week of graduate work.

The object of the major course in history is three-fold. Primarily, history is taught for its own sake as a record of the development of humanity; secondarily, as a necessary accompaniment to the study of political institutions; and finally, as a framework for other forms of research, linguistic, religious, or archæological. The courses are planned to develop in the students a readier historical sense, and a consciousness of historical growth, rather than to give them a mere outline of general history. The instruction consists mainly of lectures, which are designed to create interest in the broad lines of historical development; the lectures are accompanied by constant references for private reading, to stimulate accuracy in detail and independence in judgment.

### FIRST YEAR.

*(Minor Course.)*

*Modern History.*

*Modern History.*

*(Given in each year.)*

### **Major Course.**

History of Europe from 1815 to 1912, Mr. Haring and Dr. Jones.

*Three hours a week throughout the year.*

(This course may be taken as a free elective and either semester may be elected separately. The class is divided alphabetically into two sections, A and B. Mr. Haring lectures to



Section A in the first semester and to Section B in the second semester. Dr. Jones lectures to Section B in the first semester and to Section A in the second semester.)

The course deals with the political and social transformation of Europe in the nineteenth century. It opens with an outline of the career of Napoleon. The lectures trace the reaction against legitimism and Metternichism, and the growth of liberal ideas and constitutional government. In the second semester special attention is paid to the union of Italy and to the foundation of the German Empire. Attention is also given to questions of the near and far East and to problems of colonial expansion.

### History of the Reformation, Dr. Smith. *Two hours a week throughout the year.*

(This course may be taken as a free elective and may be entered in the second semester but must be elected in both semesters in order to count as part of the minor course in history. The course in the History of Western Europe in the Middle Ages may be substituted for this course, but must also be elected in both semesters to count as part of the minor course in history.)

The course begins with a brief survey of the Middle Ages, special emphasis being placed upon the organisation of the Church, the rise and fall of the Papacy, the work of the Councils of Pisa, Constance, and Basel, and the pre-Lutheran reform movements. A more detailed account of the growth of Protestantism and the counter measures follows; the war in the Netherlands, the religious and political struggles in France, and the Thirty Years' War are discussed. The course closes with the treaty of Westphalia in 1648.

### History of England since 1066, Dr. Jones. *Two hours a week throughout the year.*

(Given in 1913-14.)

The objects of this course are to review the principal events in English history since the Norman conquest and also to explain modern England. The treatment is therefore both chronological and topical, the topics discussed being either of contemporary importance or explanatory of present political history. Up to 1485 the lectures merely summarise facts and emphasise changes; after 1485 the treatment is more detailed and special subjects such as the development of the cabinet system, the American Revolution from the English point of view, the industrial revolution, parliamentary reform, and recent social legislation are discussed.

### The History of Western Europe in the Middle Ages, Dr. Jones.

*Two hours a week throughout the year.*

(Given in 1914-15 and in each succeeding year.)

(This course may be taken as a free elective and may be entered in the second semester but must be elected in both semesters in order to count as part of the minor course in history. The course in the History of the Reformation may be substituted for this course but must also be elected in both semesters in order to count as part of the minor course in history.)

Commencing with a survey of conditions in the Roman world at the end of the fourth century A. D., this course carries the story of the people of Western Europe to the eve of the Renaissance. While general in character, particular study is given to the development of France, to the rise of the Papacy, and to the great role played by the Church in this middle period. Where possible, emphasis is laid on social, intellectual, and artistic life. Robinson's *History of Western Europe*, with the same author's *Readings in European History*, are used by the students as guides, and additional selected readings and exercises are regularly required.

### SECOND YEAR.

#### *Modern History.*

(Given in each year.)

### Europe in the Age of the Renaissance, Mr. Haring.

*Three hours a week throughout the year,*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under the above conditions it may be taken as a free elective



and may be entered in the second semester, but students taking history as a group must elect it in both semesters in order to count it as part of the major course. The course on the French Revolution and Napoleon may be substituted for this course.)

The course is intended to trace the development of those forces in learning and religion, in political and social life, which combined to give significance to this period. The rise of Italian Humanism and its reflection in Northern Europe, the broadening of geographical knowledge and the commercial rivalries which ensued, the national expansion of France, Spain, England, and the beginnings of religious reform are dealt with.

#### The French Revolution and Napoleon, Dr. Jones.

*Three hours a week throughout the year.*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under the above conditions it may be taken as a free elective, and may be entered in the second semester, but students taking history as a group must elect it in both semesters in order to count it as part of the major course. The course on Europe in the Age of the Renaissance may be substituted for this course.)

This course treats of the history of France and of Europe from 1789 to 1815, by means of lectures, assigned readings, and reports. The period is considered as an organic whole and the career of Napoleon is regarded as that of a child of the Revolution who in his later years abuses what has made him. The form of the course is chiefly narrative and an effort is made to view the Revolution in its wider aspects as, in a sense, a part of the history of all modern states. The increasing mass of secondary material is appraised and some printed documentary material is used for reports and references.

#### History of the United States from 1865 to 1914, Dr. Smith.

*Two hours a week throughout the year.*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under the above conditions it may be taken as a free elective, and may be entered in the second semester, but students taking history as a group must elect it in both semesters in order to count it as part of the major course. The course on British Imperialism may be substituted for this course.)

The aim of this course is to present the historical background necessary to enable students to discuss intelligently the more important social, industrial, political, and diplomatic problems of the present day. They will also be taught by means of required reading and reports how to use memoirs, letters, magazines, newspapers, and other contemporary historical sources.

#### British Imperialism, Dr. Smith.

*Two hours a week throughout the year.*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under the above conditions it may be taken as a free elective, and may be entered in the second semester, but students taking history as a group must elect it in both semesters in order to count it as part of the major course. The course on the History of the United States from 1865 to 1914 may be substituted for this course.)

This course deals with the external history of the English people: the sea-rovers of the sixteenth century; the beginnings of American colonisation; the contrast between the old colonial system and the new; the history of Canada, Australasia, South Africa, India, Egypt and other colonies and dependencies; the new imperialism of Beaconsfield and Chamberlain; the present position of England as a world power.

#### FIRST YEAR.

*(Minor Course.)*

*Ancient History.*

*(Given in each year.)*

*Ancient History.*

**Major  
Course.**

#### Oriental History, Dr. Barton.

*Three hours a week throughout the year.*

(This course may be taken as a free elective and may be entered in the second semester but must be elected in both semesters in order to count as part of the minor course in Ancient History.)

This course treats in broad outlines the history of the civilisation of the Classical Orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal oriental nations, Egyptians, Babylonians, Assyrians, Phoenicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archaeological specimens and by photographs. Either semester may be elected separately.

### Outline Survey of Classical History, Dr. Ferguson.

*Two hours a week throughout the year.*

(This course may be taken as a free elective and may be entered in the second semester, but must be entered in both semesters in order to count as part of the minor course in Ancient History.)

The object of this course is to trace the growth of European civilisation from its beginnings to the reign of Charlemagne in order to give a connected idea of the Græco-Roman civilisation. It is intended as an introductory course to further study in classical or mediæval history. The lectures will be supplemented by reading in West's *Ancient History* and in larger histories. Oriental history will be given only in so far as it serves to explain the origin of this civilisation and will not duplicate in any way the course in Oriental History.

### SECOND YEAR.

#### *Ancient History.*

#### *1st Semester.*

*(Given in each year.)*

### Fifth Century Athens, Dr. Ferguson.

*Three hours a week.*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under the above conditions it may be taken as a free elective, but students taking Ancient History as a group must elect also the course in the First Century of the Roman Empire in order to count it as part of the major course.)

This remarkable period in Greek History will be studied minutely, especially the Age of Pericles. Source study, and comparison and evaluation of modern accounts will be required from the students.

### Lectures on Roman Life, Dr. Frank.

*One hour a week.*

(This course may be taken as a free elective and may be entered in the second semester, but students taking Ancient History as a group must elect the course in both semesters in order to count it as part of the major course.)

An attempt is made to describe briefly Roman social and economic conditions, as well as the development of religious beliefs and institutions.

### The Historians of Rome, Dr. Ferguson.

*One hour a week.*

(This course may be taken as a free elective and may be entered in the second semester, but students taking Ancient History as a group must elect the course in both semesters in order to count it as part of the major course.)

The object of the course is to train the student in the use of source material. The works of the leading ancient historians, Polybius, Livy, Cæsar, Paternulus, Tacitus, and Cassius Dio, are analyzed to discover their methods, their accuracy, and conception of history. The influence of rhetoric and biography on historical writing is studied, and some work in bibliography given. The lectures are supplemented by special reports on assigned topics.

*2nd Semester.*

The First Century of the Roman Empire, Dr. Ferguson.

*Three hours a week.*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under the above conditions it may be taken as a free elective, but students taking Ancient History as a group must elect also the course in Fifth Century Athens in order to count it as part of the major course.)

The course consists of a study of the political, institutional, and cultural history of the empire under the twelve Caesars, with special reference to the Age of Augustus. The sources and their use by modern historians are studied minutely. Special subjects are assigned for independent investigation.

Lectures on Roman Life (continued), Dr. Frank.

*One hour a week.*

The Historians of Rome (continued), Dr. Ferguson.

*One hour a week.*

*Group:* Modern History with Economics and Politics; Modern History with German, *or* with French, *or* with History of Art; Ancient History with Greek, *or* with Latin, *or* with Classical Archæology.

#### POST-MAJOR COURSES.

#### **Post-Major Courses.**

England under the Stuarts, Mr. Haring. *Two hours a week throughout the year.*

*(Given in 1913-14 and again in 1915-16.)*

The principal aspects of the narrative and constitutional history of England under the Stuarts will be studied in some detail. Use will be made of general histories, but the work of the students will, as far as possible, be done from State papers, published correspondence, etc. The course will be conducted by lectures, discussions, and oral reports from members of the class.

England under the Tudors, Mr. Haring. *Two hours a week throughout the year.*

*(Given in 1914-15 and again in 1916-17.)*

This course is conducted on the same general plan as the preceding course.

American Constitutional History to 1783, Dr. Smith.

*Three hours a week throughout the year.*

*(Given in 1913-14 and again in 1915-16.)*

The text-books used in the course are MacDonald's *Select Charters of American History* and *Select Documents of the History of the United States*. The members of the class are also systematically referred, not only to the general authorities, but also to colonial charters and constitutions, the records of the colonial governments as far as they are available, the journals of Congress, and other documentary materials.

American Constitutional History from 1783 to 1865, Dr. Smith.

*Three hours a week throughout the year.*

*(Given in 1914-15 and again in 1916-17.)*

The lectures deal with the leading aspects of the political, constitutional, and economic history of the United States from the ratification of the constitution to the present time. The text-books used are MacDonald's *Select Documents of the History of the United States*, but frequent additional references are given to the leading secondary authorities. To a limited extent use will be made of such documents as are available in the library, and special topics will be assigned for discussion and report.

England since 1714, Dr. Jones.

*Two hours a week throughout the year.*

*(Given in 1914-15.)*

This course is conducted by means of lectures, assigned readings, and written reports. Its purpose is rather to explain than to narrate. Therefore the treatment is topical as well as chronological, emphasis being laid upon those political, social, and constitutional changes which have made modern England. Among the topics discussed are the rise and fall of the Whig oligarchy, the evolution of the cabinet system, the rise of Methodism, the American Revolution as a constitutional question, England and the French Revolution, the industrial revolution, parliamentary reform, England and the Monroe doctrine, the repeal of the corn laws, Home Rule, and present-day Liberalism.

The Roman Empire in the Third and Fourth Centuries, Dr. Ferguson. *Ancient History*

*Two hours a week throughout the year.*

*(Given in 1913-14 and again in 1915-16.)*

In this course a study is made of the forces which led to the fall of the Western Empire. Economic decay, the caste system, religion, the growth of absolutism, are subjects which will be especially studied. Independent investigation of particular topics will be required.

This course met for one hour a week during 1913-14.

The Hellenistic Age, Dr. Ferguson.

*Two hours a week throughout the year.*

*(Given in 1914-15 and again in 1916-17.)*

This course consists of a study of the Greek world from Alexander to its conquest by Rome, special emphasis being laid on the commercial expansion, growth of national tendencies, intellectual awakening, and the effect on the Roman world. Independent investigation of special topics will be required from the students.

#### GRADUATE COURSES.

Two distinct seminary courses in English and European history and in American history are offered to graduate students in history in addition to a course in Historical Method and Bibliography and the direction of private reading and original research.

No undergraduates are admitted to graduate courses.

Seminary in English and European History, Mr. Haring.

*Three hours a week throughout the year.*

*(Given in each year.)*

In 1913-14 the seminary deals with social and economic problems in the history of England under the Tudors. The growth of capital and its effect on commercial and industrial practice, enclosures and the decay of agriculture, the rise in prices, foreign commercial policy and the evolution of the merchant companies are among the topics for discussion.

In 1914-15 the subjects of the seminary will be the economic relations of Spain with Europe and America in the sixteenth century, the creation of the Spanish system of commercial monopoly centered at Seville, the evolution of the scheme of annual treasure fleets to Vera Cruz and Nombre de Dios, the growth of Spanish-American trade and the share in that trade acquired by the northern maritime nations, and the influence of the importation of bullion from Mexico and Peru upon prices in Spain and the rest of Europe.

In 1915-16 the subject of the seminary will be England under the early Stuarts. The work is concerned especially with foreign policy and the organisation and expansion of foreign trade.



## Seminary in American History, Dr. Smith.

*Two hours a week throughout the year.**(Given in each year.)*

In 1913-14 the revolution, the confederation, and the constitution are the subjects of study. American history from 1776 to 1789 is discussed primarily from the local point of view as a step in the conflict between the seaboard aristocracy and the democracy of the frontier. The social and economic forces which led to the adoption of the Federal Constitution and the subsequent formation of national political parties are investigated.

In 1914-15 the subject of the seminary will be slavery and the negro problem. After a preliminary survey of the history of slavery in the colonial period such topics as the slavery compromises of the constitution, the growth of slavery in the South, the abolition of the slave trade, the Missouri Compromise, the anti-Slavery movement, nullification, the Mexican War, the Wilmot Proviso, the compromise measures of 1850, the Kansas-Nebraska bill, the Dred Scott decision, the abolition of slavery, and the adoption of the thirteenth, fourteenth, and fifteenth amendments are discussed. Special attention is paid to the conflict between sectionalism and nationalism and to the connection between slavery, territorial expansion, and the development of constitutional theories.

In 1915-16 the American colonies in the seventeenth and eighteenth centuries will be the subject of the seminary. The political, constitutional, and social problems of the colonies in the seventeenth century will be studied in the first semester. In the second semester special stress is laid upon the development in the eighteenth century of the imperial administrative machinery and upon the ethnical distribution of population in the colonies.

## Historical Method and Bibliography, Dr. Jones.

*One hour a week throughout the year.**(Given in 1914-15.)*

The matters dealt with in this course are the field of history and its relations to allied subjects; the evolution of the scientific historical method; the outlines of historical bibliography; the great collections of printed material; archives and MSS.; the work and rank of leading historians of the modern school. Throughout the course practical studies will be assigned to illustrate the subjects under discussion. A reading knowledge of French and German is required.

## Historical Journal Club, Mr. Haring, Dr. Smith, and Dr. Jones.

*Two hours once a fortnight throughout the year.*

The instructors in the department of history and the graduate students who are pursuing advanced courses in history meet once a fortnight to make reports upon assigned topics, review recent articles and books, and present the results of special investigations.

## Economics and Politics.

The instruction in this department is under the direction of Dr. Marion Parris Smith, Associate Professor of Economics and Politics, Mr. Sydney D. M. Hudson, Lecturer in Political Science, and Mr. Frederick Archibald Dewey, Lecturer in Economics and Sociology.

The instruction offered in this department covers twenty-eight hours of lectures a week; it includes fourteen hours a week of undergraduate minor and major work; eight hours a week of post-major work open only to graduates and to undergraduates who have completed the major course in economics and politics; and six hours a week of graduate work.

The object of the undergraduate courses in economics and politics is three-fold: first, to trace the history of economic and political thought; second, to describe the development of economic and political institutions; and third, to consider the practical economic and political questions of the day. Instruction is given by lectures. The lectures are supplemented by private reading, by oral and written quizzes, by written theses and reports, and by such special class-room exercises as the different subjects require.

#### FIRST YEAR.

##### *(Minor Course.)*

Introduction to Economics, Dr. M. P. Smith and Mr. Dewey.

*Three hours a week throughout the year.*

**Major  
Course.**

*(Given in each year.)*

(This course may be taken as a free elective and either semester may be elected separately. The class is divided alphabetically into two sections, A and B. Dr. M. P. Smith lectures to Section A in the first semester and to Section B in the second semester. Mr. Dewey lectures to Section B in the first semester and to Section A in the second semester.)

The objects of this course are to introduce the students to the economic problems in the modern state with their necessary historical antecedents, and to train them to think clearly on economic subjects. The first semester is devoted to a study of modern economic organisation; production, both agricultural and industrial; distribution of price between landlords, capitalists, and wage earners; and the mechanism of exchange. The work of the second semester will consist in a study of economic institutions; money and banking, insurance, foreign exchange, organised markets; systems of transportation, organisation of capital, trade unions, etc.

Problems in Politics, Mr. Hudson.

*Two hours a week throughout the year.*

*(Given in 1913-14.)*

(This course may be taken as a free elective and either semester may be elected separately. The course in Sociology may be substituted for this course.)

The course is designed to give the student a knowledge of the vital problems of contemporary politics. The basis of the work will be a critical examination of the political organisation and practice of the United States with constant comparison with Great Britain, France, and the German Empire.

Sociology, Mr. Dewey.

*Two hours a week throughout the year.*

*(Given in each year.)*

(This course may be taken as a free elective and either semester may be elected separately. The course in Introduction to Politics may be substituted for this course.)

The relation of man to his environment is developed by an evolutionary study, with emphasis on origins, not only of society but also of individuals. A descriptive analysis of association and the development of civil society is followed by the consideration of institutions and the growth of social ideals. The practical effect of these ideals in modern life is indicated.

Introduction to Politics.\*

*Two hours a week during the first semester.*

*(Given in 1914-15 and in each succeeding year.)*

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\* This course will be given by an instructor whose appointment will be announced later.

(This course may be taken as a free elective and either semester may be elected separately. The course in Sociology may be substituted for this course.)

The object of this course is to study the origin and development of American political institutions. The legislative, executive, and judicial branches of both national and state governments are studied. A brief survey is made of the problems of municipal government and party politics.

### Comparative Politics.\*

*Two hours a week during the second semester.*

*(Given in 1914-15 and in each succeeding year.)*

(This course may be taken as a free elective and either semester may be elected separately. The course in Sociology may be substituted for this course.)

The organisation of government and the political institutions of Great Britain, Germany, and France are studied and their forms compared with those in the United States. The object of the course is to acquaint the students with the main problems of foreign politics.

## SECOND YEAR.

### History of Economic Thought, Dr. M. P. Smith.

*Three hours a week throughout the year.*

*(Given in each year.)*

(This course may be elected only by students who have studied economics and politics at least five hours a week for one year. Under these conditions it may be taken as a free elective, and may be entered in the second semester.)

The object of this course is to give advanced students an historical introduction to modern economic thought as a basis for a critical study of modern economic problems. The successive changes in the theory of value and of distribution since the middle of the eighteenth century are studied with special reference, first, to the philosophical and speculative thought, and second, to the industrial institutions of the times.

The students will be expected to read critically portions of standard texts, including Adam Smith's *Wealth of Nations*, Ricardo's *Principles of Political Economy and Taxation*; Malthus's *Principles of Population*; Senior's *Political Economy*; J. S. Mill's *Principles of Political Economy*; Jevons's *Political Economy*; and selections from the writings of Marshall, Wicksteed, Böhm-Bawert, Wieser, J. B. Clark, Pantaleoni and others. Numerous short papers in connection with the reading, and one long report on some specially assigned subject are required.

### Social Politics, Mr. Hudson.

*Two hours a week throughout the year.*

*(Given in 1913-14.)*

(This course may be elected only by students who have studied economics and politics at least five hours a week for one year. Under these conditions it may be taken as a free elective and may be entered in the second semester. The courses in Industrial organisation and History and in Sociological Problems in Modern Industry may be substituted for this course.)

The course deals with the problem of the relations of organised society to the individual with respect to the functions of government and the proper limits of governmental interference. The questions treated will be dealt with from the political, economic and social points of view. During the first semester various types of individualistic and socialistic theories will be critically examined and the practice of modern democratic states with regard to governmental interference will be studied in order to determine and compare the various principles which may be deduced therefrom. The work of the second semester will deal with specific problems such as: the position of the family in modern society; various proposed methods of social reform, especially of aid to dependent and quasi-dependent classes; labour organisations and labour legislation; the growth and regulation of combinations of capital; public ownership vs. governmental control of public utilities; the guaranties of private rights under the constitution of the United States in their relation to social legislation.

\* See footnote, page 141.



## Industrial Organisation and History, Mr. Dewey.

*Two hours a week during the first semester.*

*(Given in each year.)*

(This course and the course in Sociological Problems in Modern Industry may be elected only by students who have studied economics and politics at least five hours a week for one year. The courses in Political Theory and Practice in the Nineteenth Century and in Modern Politics in England and America may be substituted for these courses.)

The thickly populated communities of to-day are contrasted with the relatively sparsely settled communities of one hundred and fifty years ago. The connection between population as well as other elements of the Social regime and the industrial system of the moment is considered historically only in so far as it throws a necessary light on modern problems.

## Sociological Problems in Modern Industry, Mr. Dewey.

*Two hours a week during the second semester.*

*(Given in each year.)*

Modern industry involves innumerable problems of social import, child labor, cooperative distribution of both products and wealth, vocational education, etc., are among the many which may be enumerated. The course deals with a selection from these problems.

## Political Theory and Practice in the Nineteenth Century.\*

*Two hours a week during the first semester.*

*(Given in 1914-15 and in each succeeding year.)*

(This course and the course in Modern Politics in England and America may be elected only by students who have studied economics and politics at least five hours a week for one year. The courses in Industrial Organisation and History and in Sociological Problems in Modern Industry may be substituted for these courses.)

The object of this course is to trace the development of certain political ideas and the history of political institutions in the nineteenth century: the progress of democracy, the rise of socialism, and the problems of representative government are studied, as far as possible, from documents and original sources.

## Modern Politics in England and America.\*

*Two hours a week during the second semester.*

*(Given in 1914-15 and in each succeeding year.)*

(This course may be elected only by students who have studied economics and politics at least five hours a week for one year. Under these conditions it may be taken as a free elective and may be entered in the second semester. The course in Sociological Problems in Modern Industry may be substituted for this course.)

The studies of the preceding semester are continued in this course. The conflict between individualism and socialism, the theory and practice of municipal ownership, and the movement for popular government are examined critically.

*Group: Economics and Politics with Modern History or with Philosophy, or with Philosophy and Psychology, or with Psychology.*

### POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

***Post-  
Major  
Courses.***

\* See footnote, page 141.



Economic and Social Legislation in England and America since 1890.  
Dr. M. P. Smith.

*Two hours a week throughout the year.*

*(Given in 1913-14 and again in 1915-16.)*

The first semester is devoted to a review of recent English legislation dealing with trade unions, workmen's compensation, minimum wages, the sweated trades, old age pensions, unemployed, child-welfare, and the land system. In the second semester American legislation on these subjects is reviewed, as well as recent Anti-Trust legislation. Special topics are assigned to students for reports, and attention is given to the use of original source material.

American Social Problems, Dr. M. P. Smith.

*Two hours a week throughout the year.*

*(Given in 1914-15 and again in 1916-17.)*

The object of this course is to trace certain social movements in the United States from 1865 to the present time. Special studies are made in the changes in rural and urban population; the development of city life; the problems of country life; immigration, the race problem; recent developments in education; the care of defectives, and poor relief. Special topics are assigned to students for reports and attention is given to the use of original source material.

American Constitutional Law, Mr. Hudson.

*Three hours a week throughout the year.*

*(Given in 1913-14 and again in 1915-16.)*

In this course the leading principles of the American constitutional system are examined. The course deals principally with the federal constitution and the decisions of the Supreme Court of the United States. Some attention is given, however, to state constitutions and the decisions of state courts. Stress is laid upon decisions relating to social and economic questions and to the radical movements against the judiciary.

Elements of Statistics, Mr. Dewey.

*Three hours a week throughout the year.*

*(Given in 1913-14 and again in 1914-15.)*

Proper methods of obtaining and handling statistics, such as vital, health, trade statistics, working men's budgets, etc., are developed. The course first treats of the various methods of obtaining statistics. Tabulation, representation through averages, the mode, etc., are then discussed, as are pictograms. Simple methods of analysing the data and treating them mathematically are described and an actual investigation is then undertaken by the students. The course consists of two lectures, and two and a half hours of laboratory work each week. In 1913-14 this course was given as a two hour course.

English Constitutional Problems.\*

*Three hours a week throughout the year.*

*(Given in 1914-15.)*

GRADUATE COURSES.

**Graduate Courses.**

Six hours a week of seminary work and graduate lectures are offered each year to graduate students of economics and politics. One seminary in economics and one in political science are offered in addition to the direction of private reading and original research. An advanced course in statistics will also be given. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduate students.

\* See footnote, page 141.

Economics Seminary, Dr. M. P. Smith. *Two hours a week throughout the year.*

*(Given in each year.)*

In 1913-14 the subjects of the seminary are the problems of distribution and the agencies in modern social life that effect the distribution of wealth. Special attention is paid to the study of the minimum wage, the various plans for controlling large scale production, modern land systems, etc.

In 1914-15 the subject of the seminary will be Economic Theory in England and America in the nineteenth century with special attention to the ideas of free trade and protection.

In 1915-16 the currency and banking systems of the United States will be the subject of the seminary.

Political Seminary, Mr. Hudson.

*Two hours a week throughout the year.*

*(Given in 1913-14.)*

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures are given but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

A study is made of the origin and content of the political thought expressed in the Constitution of the United States. American political ideas of the constitution-making period are considered in relation to their colonial and European sources. Chief attention, however, is devoted to the debates in the Convention of 1787, the discussion of the constitution in connection with the state-ratifying conventions, and the course of political thought during the period of federalist supremacy under the new government. An attempt is made to estimate such relatively permanent political principles as may be discovered with respect to the applicability to present problems.

Statistical Sociology, Mr. Dewey.

*One hour a week throughout the year.*

*(Given in 1914-15.)*

This course will deal with statistical methods of studying social phenomena. It will follow lines of work indicated and suggested by Professor Franklin H. Giddings.

Seminary in Political Science.\*

*Two hours a week throughout the year.*

The subject of the seminary in 1914-15 will be problems in government. Comparative studies will be made of certain governmental problems in the United States, England, France, and Germany.

In 1915-16 the American political system, national, state, and local will be studied.

In 1916-17 problems in American constitutional law will be the subject of the seminary.

Economic Journal Club, Dr. M. P. Smith, Mr. Hudson and Mr. Dewey.

*Two hours once a fortnight throughout the year.*

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

## Philosophy.

The instruction in this department is under the direction of Dr. Theodore de Leo de Laguna,† Professor of Philosophy, Dr. Grace Mead Andrus de Laguna,‡ Associate in Philosophy, Dr. Donald Fisher, Associate in Philosophy, Miss Marion

\* See footnote, page 141.

† Granted leave of absence for the year 1914-15. The courses offered by Professor Theodore de Laguna will be given by Dr. Wilm.

‡ Granted leave of absence for the year 1914-15. The courses offered by Dr. Grace de Laguna will be omitted in 1914-15.

Reilly, Dean of the College and Reader in Philosophy, and Dr. Emil Carl Wilm, Lecturer (elect) in Philosophy.

The instruction offered in this department covers twenty-three hours of lectures a week: it includes a required course of three hours a week; ten hours a week of undergraduate major and minor work; and ten hours a week of graduate work.

A course in philosophy, three hours a week throughout one year, and a course in psychology, two hours a week throughout one year, are required of all candidates for a degree.

The major course in philosophy presupposes as much information as is contained in the required course, and may be elected as a group in combination with the major course in Greek, Latin, English, economics and politics, psychology, mathematics, or physics.

A combination of three or two hours a week for two years of the minor or major courses in philosophy with two or three hours a week for two years of the minor or major courses in psychology, making up a course of five hours a week for two years, forms a major course and may be elected as a group in combination with the major course in Greek, English, economics and politics, mathematics, and physics. The minor or major course in philosophy amounting to five hours a week for one year may be elected as an alternative for the second year of required science.

**Required  
Course.**

Introduction to Philosophy, Dr. T. de Laguna,\* Dr. G. de Laguna\* and Dr. Fisher.

*Three hours a week throughout the year.*

*(Given in each year.)*

(The class is divided into two or three sections and each section assigned to a different instructor in each semester.)

The course consists of discussions of certain fundamental problems of metaphysics and the theory of knowledge based as far as possible upon recent philosophical literature. Every effort will be made to foster independence and sincerity of thought, rather than to impress upon the students any system of philosophical dogmas.

**FIRST YEAR.**

*(Minor Course.)*

**Major  
Course.**

*1st Semester.*

*(Given in each year.)*

Modern Philosophical Classics, Dr. Wilm.

*Three hours a week.*

(Open only to those students who have taken the required course in philosophy. May be taken as a free elective.)

\* See footnote, page 145.

Selections from the principal writings of Bacon, Hobbes, Locke, Berkeley, Hume, Descartes, Spinoza, and Leibniz are read and discussed. In 1913-14 Dr. T. de Laguna gave a course in Philosophical Problems in the place of this course.

Philosophical Problems, Dr. Fisher.

*Two hours a week.*

(Open only to those students who have taken the required course in philosophy. May be taken as a free elective.)

The discussions in this course are devoted mainly to problems concerning the existence and nature of material substances, the relation between mind and body, and the sources and limits of human knowledge. In 1913-14 Dr. Fisher substituted for this course a course in Descartes and Hume.

## 2nd Semester.

Recent Philosophical Theories, Dr. Fisher.

*Three hours a week.*

(Open only to those students who have taken the required course in philosophy. May be taken as a free elective.)

This course includes a discussion of such doctrines as pragmatism, idealism, neo-realism, etc.

Elementary Logic, Dr. T. de Laguna.\*

*Two hours a week.*

(Open only to those students who have taken the required course in philosophy. May be taken as a free elective.)

An introduction to deductive and inductive logic, including the theories of definition and classification, the transformation of judgments, the canons of the syllogism, the formation of concepts, the general methods of observation and experiment, analogy, and the use of hypotheses.

## SECOND YEAR.

### 1st Semester.

*(Given in each year.)*

Plato and Aristotle, Dr. Fisher.

*Three hours a week.*

(Open only to those students who have taken five hours a week for a year of minor philosophy or psychology, including at least two hours a week for a year of philosophy.)

The course is a study of the two principal Greek systems, based upon the reading (in translation) of selected dialogues and treatises.

Philosophy in the Nineteenth Century: German Idealism, Dr. T. de Laguna.\*

*Two hours a week.*

(Open only to those students who have taken five hours a week for a year of minor philosophy or psychology, including at least two hours a week for a year of philosophy.)

The course is introduced by a series of lectures upon the philosophy of Kant. The post-Kantian systems occupy the greater part of the semester.

### 2nd Semester.

Elementary Ethics, Dr. T. de Laguna.\*

*Three hours a week.*

(Open only to those students who have taken five hours a week for a year of minor philosophy or psychology, including at least two hours a week for a year of philosophy.)

This course forms a critical and historical introduction to ethical science. Selections representative of the various ancient and modern schools are studied, and the semester concludes with a series of lectures upon recent theories of moral evolution. In 1913-14 Dr. T. de Laguna substituted for this course a course in James and Bergson.

\* See footnote, page 145.



Comte, Mill and Spencer, Dr. Fisher.

*Two hours a week.*

(Open only to those students who have taken five hours a week for a year of minor philosophy or psychology, including at least two hours a week for a year of philosophy.)

*Group:* Philosophy with Greek, or with Latin, or with English, or with Economics and Politics, or with Mathematics, or with Physics; Philosophy and Psychology with Greek or with English or with Economics and Politics or with Mathematics, or with Physics.

#### GRADUATE COURSES.

**Graduate Courses.** Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of philosophy, accompanied by the direction of private reading and original research.

A seminary in ethics or in the theory of values, a seminary in philosophical systems, and a seminary in logic and metaphysics are offered each year. The subjects of study are changed from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library.

Ethical Seminary, Dr. T. de Laguna.

*Three hours a week throughout the year.*

In 1913-14 the subject of the seminary is English evolutionary ethics, as exemplified in the writings of Darwin, Spencer, Clifford, Stephen, Alexander, and Hobhouse, and as criticised by Green, Sorley, Huxley, and Pringle-Pattison. Special attention is given to the problem of determining the nature and limitations of the genetic method as applied in ethical research.

In 1914-15 the subject of the seminary will be the theory of values. It will be conducted by Dr. Fisher and will meet two hours a week throughout the year. There will be a study of the concepts of value and valuation, and of their application in recent theories of ethics, æsthetics, and epistemology. Use will be made of the writings of Meinong, Urban, Münsterberg, Ehrenfels, Maier, and Rickert.

In 1915-16 the subject will be recent French ethics; Durkheim, Levy-Bruhl, Fouillée, Rauh, Belot, and Paulhan.

Metaphysical Seminary, Dr. G. A. de Laguna.\*

*Two hours a week throughout the year.*

In 1913-14 the subject of the seminary is inductive and genetic logic. The theories of Sigwart, Wundt, Bradley, Bosanquet, Dewey, and Baldwin are the basis of study.

In 1915-16 the subject will be English empiricism. Special attention will be paid to its connections with associationism, and to the development of the theory of scientific method.

In 1916-17 the subject will be contemporary realism, special attention being given to the various phases of the movement in England and in this country. Its historical sources, and its relations to subjective idealism as well as to absolute idealism and pragmatism, will be carefully studied.

Seminary in Philosophical Systems, Dr. Fisher.

*Two hours a week throughout the year.*

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\* See footnote, page 145.

In 1914-15 the subject of the seminary will be Hegel and Schopenhauer. The seminary will meet three hours a week throughout the year, and will be conducted by Dr. Wilm.

In 1915-16 the subject will be Descartes, Spinoza, and Leibniz, studied with special reference to their views of the relation between idea and object.

In 1916-17 the subject will be Kant. The principal writings of the critical period will be read, and a careful study will be made of the final organization of Kant's system in the *Critique of Judgment*.

Modern Problems in Logic, Miss Reilly. *Two hours a week throughout the year.*

This course is conducted according to seminary method.

Philosophical Journal Club, Dr. T. de Laguna,\* Dr. G. de Laguna,\* Dr. Fisher, and Dr. Wilm. *Two hours once a fortnight throughout the year.*

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

## Psychology.

The instruction in this department is under the direction of Dr. James H. Leuba,\* Professor of Psychology, Dr. Clarence Errol Ferree, Associate Professor of Experimental Psychology and Director of the Psychological Laboratory, Dr. Kate Gordon, Associate Professor of Education, Mr. Chester Elijah Kellogg, Lecturer (elect) in Psychology, and Dr. Gertrude Rand, Demonstrator in Experimental Psychology and Reader and Demonstrator in Educational Psychology.

The instruction offered in this department covers twenty-three hours of lectures a week; it includes a required course of two hours a week; ten hours a week of undergraduate major and minor work; three hours a week of free elective work and eight hours a week of graduate work.

A course in psychology, two hours a week throughout one year, and a course in philosophy, three hours a week throughout one year, are required of all candidates for a degree.

The major course in psychology presupposes as much information as is obtained in the required course and may be elected as a group in combination with the major course in English, economics and politics, philosophy, mathematics, physics, or biology.

A combination of three or two hours a week for two years of the minor or major courses in psychology with two or three hours a week for two years of the minor or major courses in philosophy forms a major course and may be elected as a group in combina-

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\* Granted leave of absence for the year 1914-15. The courses offered by Professor Leuba will be given by Mr. Kellogg in 1914-15.

tion with the major course in Greek, English, economics and politics, mathematics, and physics.

The minor or major course in psychology amounting to five hours a week for one year may be elected as an alternative for the second year of required science.

Psychology, Dr. Wilm.

*Two hours a week throughout the year.*

*(Given in each year.)*

The text-book used is James's *Briefer Course in Psychology*. In connection with the lectures there are experimental demonstrations.

#### FIRST YEAR.

*(Minor Course.)*

##### 1st Semester.

*(Given in each year.)*

#### **Major Course.**

The Psychology of Instinct, Emotion, and the Will, Dr. Leuba.\*

*Two hours a week.*

(Open only to those students who have taken the required course in psychology. May be taken as a free elective.)

Experimental Psychology, Dr. Ferree and Dr. Rand. *Three hours a week.*

Laboratory work, Dr. Ferree and Dr. Rand. *Two hours a week.*

(Open only to those students who have taken the required course in psychology. May be taken as a free elective.)

The lectures constitute an abbreviated course in systematic psychology in which the historical, critical, and theoretical features of the subjects covered are discussed and the experimental features demonstrated. The laboratory work consists of individual practise in selected topics.

##### 2nd Semester.

Psychology (Animal Behaviour), Dr. Leuba.\*

*Two hours a week.*

(Open only to those students who have taken the required course in psychology. May be taken as a free elective.)

Although this course does not necessitate a special knowledge of biology, yet it appeals to students of that science since it deals with animal behaviour. Time is spent on an analysis of the methods and mental processes by which animals learn. This part of the course is of special interest to students of education because of the light thrown upon the problems of mental acquisition in man.

Experimental Psychology, Dr. Ferree and Dr. Rand. *Three hours a week*

(Open only to those students who have taken the required course in psychology. May be taken as a free elective.)

Laboratory work, Dr. Ferree and Dr. Rand. *Two hours a week.*

The work of the course is continued as in the first semester.

#### SECOND YEAR.

##### 1st Semester.

*(Given in each year.)*

Applied Psychology; Industrial Efficiency, Psychotherapy, Legal Psychology, Mr. Kellogg. *Three hours a week.*

\* See footnote, page 149.

(Open only to those students who have taken the minor course in psychology two hours a week throughout the year. Experimental psychology is not a prerequisite. May be taken as a free elective.)

In 1914-15 this course will be given by Mr. Kellogg in place of the course on social psychology given in 1913-14 by Dr. Leuba. The first part of the course will deal with individual differences, statistical methods, correlation of mental traits, mental tests; this will be followed by a study of industrial efficiency, vocational guidance and training, the regulation of conditions of labor, fatigue, climate, mental efficiency, advertising, salesmanship, etc.

#### Educational Psychology, Dr. Gordon.

*Two hours a week.*

(Open only to those students who have taken the minor course in psychology five hours a week throughout the year. May be taken as a free elective.)

This course is intended not only for prospective teachers but for all students interested in psychology and in education. The problems of psychology which have a direct application to educational practise are considered theoretically and experimentally. Two hours a week of laboratory work is required from students taking the course.

#### 2nd Semester.

Applied Psychology; Industrial Efficiency, Psychotherapy, Legal Psychology, Mr. Kellogg.

*Three hours a week.*

(Open only to those students who have taken the minor course in psychology two hours a week throughout the year. May be taken as a free elective.)

In this semester such topics as hypnotism, hysteria, mental deficiency, eugenics, legal procedure, evaluation of evidence, etc., and finally, methods of scientific research will be investigated.

#### Educational Psychology, Dr. Gordon.

*Two hours a week.*

(Open only to those students who have taken the minor course in psychology five hours a week throughout the year. May be taken as a free elective.)

This course is a continuation of the course given in the first semester.

*Group: Psychology with Philosophy, or with Mathematics, or with Physics, or with Biology, or Philosophy and Psychology with Greek, or with Latin, or with English, or with Economics and Politics, or with Mathematics, or with Physics.*

#### FREE ELECTIVE COURSE.

Advanced Experimental Psychology, Dr. Ferree.

*Two hours a week throughout the year.*

*(Given in each year.)*

***Free  
Elective  
Course.***

This course is intended for students who wish to be trained in research work. It is primarily for fourth year students in psychology, but in very special cases by permission of the instructor it may be taken by a student who has taken the minor course in experimental psychology. The instructor will co-operate with the students in the solution of some original problems. A reading knowledge of French and German is required.

#### GRADUATE COURSES.

Eight hours a week of seminary work and graduate lectures are offered each year to graduate students of psychology, accompanied by the direction of private reading and original research and the courses are varied from



year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the minor and major courses of the department amounting to ten hours a week may be elected by graduate students. The laboratory of experimental psychology is open to graduate students for research work.

Psychological Seminary, Dr. Leuba.\* *Two hours a week throughout the year.*  
(Given in each year.)

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year; feeling and emotion; attention, apperception, the will; the psychology of religion and of ethics; language, myths, customs; psychology of the beautiful; psychiatry and criminology; animal and child psychology. In 1913-14 the subject of the seminary was the psychology of religion. In 1914-15 the subject will be mind and body, and will lead up to a discussion of the philosophical status of psychology.

The Psychology and Treatment of Deficient and Unusual Children, Dr. Leuba.  
*Two hours a week throughout the year*

(Given in 1913-14.)

Systematic Psychology, Dr. Ferree. *Three hours a week throughout the year.*  
(Given in each year.)

This course is intended, primarily, to give a systematic presentation of the literature of experimental psychology. Due consideration, however, will be given to all points of systematic importance. The work is grouped about the following topics: sensation, the simpler sense complexes, perception and ideas, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.). The course covers three years, but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Psychological Journal Club, Dr. Leuba,\* Dr. Ferree, and Dr. Rand.

*One hour a week throughout the year.*

The advanced students meet with the instructors once a week to hear or read reports on the literature of the subject and on the work done in the laboratory.

Psychological Laboratory Work, Dr. Ferree and Dr. Rand.

The laboratory work consists of individual practice and research.

## Education.

*This school is organized in part from the Phebe Anna Thorne Endowment and is connected with the Phebe Anna Thorne Model School.*

The instruction in Education is under the direction of Dr. Kate Gordon, Associate Professor of Education, Dr. Matilde Castro, Associate Professor of Education and Director of the Phebe Anna Thorne Model School, Dr. James H. Leuba, Professor of Psychology, Dr. Clarence Errol Ferree, Associate

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\* See footnote, page 148.

Professor of Experimental Psychology and Director of the Psychological Laboratory, and Dr. Gertrude Rand, Demonstrator in Experimental Psychology and Reader in Educational Psychology.

The work of the School of Education is intended for graduate students only. No undergraduate students will be permitted to take any graduate work in education although graduate students may if they so desire elect undergraduate courses in education and psychology and other subjects. The courses are planned for graduate students who wish to study education for one, two, and three years on the principle that about one-half of the student's time will be given to purely educational courses and the remaining half to courses in the subjects in which she is preparing herself to teach. In the second half of each year there will also be provided opportunities for practice in teaching. The degree of Master of Arts in Education is open to graduates of Bryn Mawr College only. Graduates of other colleges will receive diplomas certifying to the work that they have taken in the Graduate School of Education. The degree of Doctor of Philosophy in Education is open to graduates of all colleges of high standing under the general conditions prescribed for the degree of Doctor of Philosophy.

#### *The Phebe Anna Thorne Model School.*

The Phebe Anna Thorne School opened in the autumn of 1913 under the direction of the Bryn Mawr College Graduate School of Education. This school is maintained by an endowment of one hundred and fifty thousand dollars given by the executors of the estate of the late Phebe Anna Thorne to perpetuate her deep interest in school education and her desire to further research in the best methods of teaching school subjects. The Phebe Anna Thorne School is an integral part of the Graduate School of Education and affords its students an opportunity to follow the work of the expert teachers of the model school and discuss in seminars conducted by the professors of education the various problems of teaching and administration as they arise from day to day. Pupils are admitted at ten years of age and will be fitted to enter Bryn Mawr and other colleges on the completion of a seven years'

high school course based on the soundest available theory and practice of teaching to be found in this country or abroad. Wherever a new method of teaching a high school subject is known to have succeeded it will be studied and introduced into the model school and the results on the pupils of different methods of teaching the same subjects will be tested and compared in the psychological laboratories of the college. It is believed that the opportunity thus afforded of studying the newest approved methods of secondary teaching will enable teachers who have studied in the Graduate School of Education to teach more efficiently and to command materially higher salaries.

The instruction offered in education covers sixteen hours of lectures a week; it includes two hours a week of free elective work, and fourteen hours a week of graduate work.

#### FREE ELECTIVE COURSE.

#### **Free Elective Course.**

History of Education, Dr. Gordon.

*Two hours a week throughout the year.*

*(Given in each year.)*

This course deals with the great educators and their systems considered with reference to modern educational methods and the problems of to-day.

#### GRADUATE COURSES.

#### **Graduate Courses.**

Fourteen hours a week of seminary work and graduate lectures are offered each year to graduate students of education accompanied by the direction of private reading and original research, observation classes, and a practicum for the study and practice of teaching, and the courses are varied from year to year so that they may be pursued by students through three or more consecutive years, but may be entered in any year of the course. No undergraduates are admitted to graduate courses, but the free elective course of the department amounting to two hours a week may be elected by graduate students.

#### FIRST YEAR.

*(Given in 1913-14.)*

The Psychology and Treatment of Deficient and Unusual Children, Dr. Leuba.

*Two hours a week throughout the year.*

Systematic Psychology, Dr. Ferree.

*Three hours a week throughout the year.*

This course is intended for graduate students who have already taken a course in experimental psychology and gives a systematic presentation of the literature of experimental psychology. Due consideration, however, is paid to all points of systematic importance. The work is grouped about the following topics: sensation, the simpler sense complexes, perception and ideas, feeling and the affective processes, attention, action, and the intellec-



tual processes (memory, association, imagination, etc.). The course covers three years, but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Experimental Psychology, Dr. Ferree. *Three hours a week throughout the year.*

This is an undergraduate course forming part of the minor or second year's work in psychology and all graduate students of education are required to take this course or to have taken its equivalent. It should be substituted in the first year for the course in systematic psychology by students who have not had equivalent work. Two hours a week of laboratory work are required in connection with this course.

Psychology applied to Teaching, Dr. Gordon.

*Two hours a week throughout the year.*

In connection with this course students are required to take four hours a week of laboratory work.

History of Education, Dr. Gordon. *Two hours a week during the first semester.*

Seminary in Methods of Teaching, Dr. Gordon and Dr. Castro.

*Two hours a week throughout the year.*

A study is made of the significance of method from the psychological and the logical standpoints with special reference to the interpretation of principles underlying the technique of the recitation and of class room management.

Observation Classes, Dr. Gordon and Dr. Castro.

*Two hours a week throughout the year.*

Five hours a week counting as a two hour lecture course are spent in the observation of teaching in the Phebe Anna Thorne School and in other schools.

English Enunciation, Mr. King. *One hour once a fortnight throughout the year.*

The instructors and students meet to report on and discuss recent reviews and articles and the results of special investigations are presented for comment and criticism.

Journal Club in Education, Dr. Gordon and Dr. Castro.

*Two hours once a fortnight throughout the year.*

## SECOND YEAR.

*(Given in 1914-15.)*

Systematic Psychology, Dr. Ferree. *Three hours a week throughout the year.*

This course is given as in 1913-14 for graduate students who were not qualified to take it in the first year.

Seminary in Methods of Teaching and in Child Psychology, Dr. Gordon and Dr. Castro.

*Two hours a week throughout the year.*

The work in methods of teaching will deal with special methods applied to arithmetic and art based upon an analysis of the mental processes involved in those studies. A direct application of Child Study will also be made the basis of the interpretation of method.

Observation Classes, Dr. Gordon and Dr. Castro.

*Two hours a week throughout the year.*

Mental Tests, Dr. Rand.

*Two hours a week throughout the year.*

Practice in applying the Binet and other mental tests is given; also research problems in devising tests and formulating methods designed to improve specific mental deficiencies. Four hours of laboratory work are required in connection with this course.



Elocution, Mr. King.

*Two hours once a fortnight throughout the year.*

This course in the use of the voice and in enunciation is recommended to all students who expect to teach.

Practicum in Teaching.

*One hour a week throughout the year.*

This course of practice in teaching in the subjects in which the student wishes to teach will be conducted by the professors concerned.

Journal Club in Education, Dr. Gordon and Dr. Castro.

*Two hours once a fortnight throughout the year.*

The instructors and students meet to report on and discuss recent reviews and articles and the results of special investigations are presented for comment and criticism.

### THIRD YEAR.

*(Given in 1915-16.)*

Abnormal Psychology, Dr. Leuba.

*Two hours a week throughout the year.*

Special Laboratory Problems in Educational Psychology, Dr. Gordon, Dr. Ferree, and Dr. Rand.

*Three hours a week throughout the year.*

Comparative Education, Dr. Gordon.

*Three hours a week throughout the year.*

Systematic Psychology, Dr. Ferree.

*Three hours a week throughout the year.*

This course is continued as in 1914-15.

Seminary in Education, Dr. Gordon and Dr. Castro.

*Two hours a week throughout the year.*

Observation Classes, Dr. Gordon and Dr. Castro.

*Two hours a week throughout the year.*

Elocution, Mr. King.

*Two hours once a fortnight throughout the year.*

This course is continued as in 1914-15.

Practicum in Teaching.

*One hour a week throughout the year.*

This course of practice in teaching is continued as in 1914-15.

Journal Club in Education, Dr. Gordon and Dr. Castro.

*Two hours once a fortnight throughout the year.*

The Journal Club is continued as in 1914-15.

## Classical Archæology.

The instruction in this department is under the direction of Mr. Rhys Carpenter, Lecturer in Classical Archæology and Dr. Mary Hamilton Swindler, Reader in Latin and Reader and Demonstrator in Classical Archæology.

The instruction offered in this department covers ten hours a week of lectures; it includes seven hours a week of undergraduate minor and major work and three hours a week of graduate work.

An archæological seminary of two hours a week throughout

the year is offered to graduate students who have done elementary archæological work, and also a journal club meeting one and a half hours a fortnight. In addition individual students will be directed in special work by means of private conferences.

The undergraduate work is divided into courses of three hours a week, and two hours a week, and these change from year to year, affording a series of instruction in sculpture, architecture, and other branches of classical archæology.

#### FIRST YEAR.

(*Minor Course.*)

##### *Classical Archæology.*

Greek and Roman Sculpture, Mr. Carpenter.

*Three hours a week throughout the year.*

(*Given in 1913-14 and again in 1915-16.*)

(*May be taken as a free elective.*)

The development of Greek sculpture from its beginnings to the end of the Hellenistic period is traced and the course closes with a brief survey of Roman sculpture. The course is illustrated by lantern slides.

Art and Life in Hellenistic Towns, Mr. Carpenter.

*Two hours a week during the second semester.*

The course consists of a reconstruction, from existing remains, of town and city life in the period between the death of Alexander the Great and the Roman domination. The course is illustrated by lantern slides.

Ancient Painting, Dr. Swindler.

*Two hours a week throughout the year.*

This course is concerned chiefly with vases and with Pompeian wall-paintings. A good collection of original material for the illustration of Greek vases is in the possession of the department. The course is illustrated by lantern slides.

#### SECOND YEAR.

(*Minor Course.*)

(*Given in 1914-15 and again in 1916-17.*)

Greek and Roman Architecture, Mr. Carpenter.

*Three hours a week throughout the year.*

The object of the course is to give a comprehensive knowledge of the art of building from the Neolithic age in Greece to the early Christian era at Rome. Emphasis is laid on the evolution of architectural styles and their influence on modern building. The course is illustrated by lantern slides.

The Roman World, Mr. Carpenter. *Two hours a week during the first semester.*

The course will trace the spread of Roman culture through the ancient world, as illustrated by the existing remains, and will deal with the art and daily life of the period. This course and the course on Rome, its Buildings and Art given in the second semester are specially recommended to students of Latin.

Greek and Roman Minor Arts, Mr. Carpenter.

*Two hours a week during the second semester.*

**Major  
Course.**

The course treats of Greek and Roman bronze statuettes, terra-cotta figurines, coins, gems, silver-ware, mirrors, etc., mainly for their artistic and cultural interest. The first six lectures will deal with Cretan and Mycenaean art. This course supplements that on Greek vase-painting given in the first semester.

Greek Vase-painting, Dr. Swindler. *Two hours a week during the first semester.*

The course will illustrate in detail the artistic development of Greek vase decoration and further will form an introduction to the mythology and daily life of ancient Greece.

Rome, its Buildings and Art, Dr. Swindler.

*Two hours a week during the second semester.*

The course reconstructs, from existing remains, the development of Rome as a city through Republican and Imperial times, and continues the course on The Roman World given in the first semester.

#### GRADUATE COURSES.

#### **Graduate Courses.**

A seminary in archæology and a journal club in archæology are offered to graduate students in addition to the undergraduate courses which are open also to graduate students. A reading knowledge of French and German is indispensable for graduate work in archæology.

No undergraduates are admitted to graduate courses.

Archæological Seminary, Mr. Carpenter.

*Two hours a week throughout the year.*

*(Given in each year.)*

This course is open only to graduate students who have had some previous training in classical archæology. The order of the subjects may be changed in accordance with the needs of the students.

In 1913-14 Greek architecture is the subject of the seminary in the first semester and Roman Architecture and topography in the second semester.

In 1914-15 Greek and Roman sculpture will be studied in the first semester and fifth century Greek vases in the second semester.

In 1915-16 ancient coins will be studied in the first semester and Greek and Roman minor arts (bronzes, terra-cottas, gems, etc.) in the second semester.

Archæological Journal Club, Mr. Carpenter.

*One and a half hours a fortnight throughout the year.*

The graduate students and the instructors meet for the presentation and discussion of topics of current archæological literature.

#### **History of Art.**

The instruction in this department is under the direction of Miss Georgiana Goddard King, Lecturer in the History of Modern Art.

The instruction offered in this department covers twelve hours a week of lectures; it includes ten hours a week of undergraduate minor and major work and two hours a week of graduate work. The separate minor and major courses of two or three hours a week may be taken as free electives.

A seminary in history of art of two hours a week throughout the year is offered to graduate students who have done elementary work in history of art.

In addition to the graduate seminary announced, other courses will be provided as need for them arises, and individual students will be directed in special work by means of private conferences.

#### FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

Italian Painting of the Renaissance from the Middle of the Thirteenth to the Middle of the Sixteenth Century, Miss King.

***Major  
Course.***

*Three hours a week throughout the year.*

(May be taken as a free elective.)

In the first semester the Italian Primitives are studied, chiefly in the schools of Florence, Siena, and Umbria; in the second semester the painters of the High Renaissance, with special attention to those of Venice and the north of Italy. The course is illustrated with photographs and lantern slides.

Gothic Architecture, Miss King:

*Two hours a week throughout the year.*

(May be taken as a free elective.)

The first semester is devoted to Romanesque and pointed architecture in Italy and Germany, with special attention to the introduction of Gothic into Italy by the Cistercians, and the second semester to the development of Gothic in France and Spain with parallels from English ecclesiastical architecture. The course is illustrated with photographs and lantern slides.

#### SECOND YEAR.

(*Given in each year.*)

Painting in the Seventeenth and Eighteenth Centuries, Miss King.

*Three hours a week throughout the year.*

(May be taken as a free elective.)

In the first semester the Dutch and Flemish painters will be studied, in the second semester the French, Spanish, and English. The course begins with a short consideration of the Primitives in France and the Low Countries and ends with the earlier English schools of landscape and portrait painting. The course is illustrated with photographs and lantern slides.

Renaissance Sculpture, Miss King.

*Two hours a week throughout the year.*

(May be taken as a free elective.)

The first semester is devoted to the sculpture of the Italian Renaissance, the second chiefly to Northern art, and in especial to figure sculpture in France from the building of the Cathedrals to the close of the Renaissance. The great sculptors of Germany and Spain will also be noticed. The course is illustrated with photographs and lantern slides.



## GRADUATE COURSES.

**Graduate Courses.**

Two hours a week of seminary work are offered each year to graduate students of history of art accompanied by the direction of private reading and original research, and the courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the minor and major courses of the department amounting to ten hours a week may be elected by graduate students.

**Seminary in Modern Painting.**

*Two hours a week throughout the year.*

In addition to working with books and photographs the students will be required to make short day-trips to study pictures.

In 1914-15 the subject of the seminary will be the Barbizon School.

In 1915-16 the pre-Raphaelite movement and its outcome, the æsthetic movement, will be studied.

In 1916-17 the subject will be painting since 1875. Impressionism, post-Impressionism and the recent revolutionary movements will be considered and as a fair number of representative pictures are accessible in public or private collections the student will be expected to form an opinion of her own.

**Mathematics.**

The instruction in this department is under the direction of Dr. Charlotte Angas Scott, Professor of Mathematics, and Dr. James Ryals Conner, Associate and Associate Professor (elect) in Mathematics. The instruction offered in mathematics covers twenty-three and a half hours of lectures and recitations a week, in addition to the time devoted to the seminary work in the graduate department; it includes ten hours a week of undergraduate minor and major work, five hours a week of free elective work, four hours a week of post-major work open only to graduates and to undergraduates who have completed the major course in mathematics, and four and a half hours a week of graduate work.

In the major course the students are able to gain a fair knowledge of the principal subjects belonging to the department of pure mathematics. The points of contact of mathematics with other branches of mental and physical science are indicated as far as possible throughout the course, special attention being paid to the nature of mathematical reasoning, and to the true relation and mutual dependence of mathematics and physics. The course of lectures on the history of mathematics in the

second year is intended to give an outline of the development of the subject from its beginning to 1700 A.D.

The two hour course in trigonometry included in the first semester of the minor course in mathematics may be taken separately as a free elective or may be counted as a part of the year of mathematics which may be taken as an alternative for the second year of required science. It is required for admission to the major course in physics. An examination for advanced standing may be taken by those who do not wish to attend the course and yet wish to elect the minor course in mathematics or the major course in physics.

*Preparatory Course.*

#### FIRST YEAR.

*(Minor Course.)*

##### 1st Semester.

*(Given in each year.)*

Analytical Conics, Dr. Scott.

*Three hours a week.*

Trigonometry, including Series, Dr. Scott.

*Two hours a week.*

The course in trigonometry may be taken separately as a free elective. The course in analytical conics may be taken separately by those students only who have passed the examination for advanced standing in trigonometry.

*Major Course.*

##### 2nd Semester.

Elementary Differential and Integral Calculus, Dr. Conner.

*Three hours a week.*

Algebra and Theory of Equations, Dr. Conner.

*Two hours a week.*

The three hour and two hour courses in this semester may not be elected separately.

#### SECOND YEAR.

##### 1st Semester.

*(Given in each year.)*

Differential and Integral Calculus and Differential Equations, Dr. Conner.

*Three hours a week.*

Theory of Equations, Determinants, Dr. Conner.

*Two hours a week.*

##### 2nd Semester.

Curve Tracing, History of Mathematics, Dr. Scott.

*Three hours a week.*

Analytical Geometry of two and three Dimensions, Dr. Scott.

*Two hours a week.*

The three hour and two hour courses in each semester may not be elected separately.

*Group:* Mathematics with Greek, or with Latin, or with Philosophy, or with Psychology, or with Philosophy and Psychology, or with Physics, or with Chemistry, or with Geology, or with Biology.

## FREE ELECTIVE COURSES.

**Free  
Elective  
Courses.**

Graphic Mathematics, Dr. Scott.

*One hour a week throughout the year.**(Given in 1913-14 and again in 1915-16.)*

The course deals with statistical work, probability, and theory of errors. It is recommended to students of economics as well as to students of physics. No knowledge of mathematics beyond the requirements for matriculation is presupposed. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

Fundamental Theorems of Algebra and Geometry, Dr. Scott.

*One hour a week throughout the year.**(Given in 1914-15 and again in 1916-17.)*

Certain standard problems of historical interest are considered in order to elucidate some of the fundamental principles of mathematics. Either semester may be taken separately. No knowledge of mathematics beyond the requirements for matriculation is presupposed. It is hoped that the work will prove useful not only to students electing mathematics as a major, but also to those intending to teach elementary mathematics. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

Mathematics Preparatory to Science.

*Two hours a week throughout the year.**(Given in each year when the time of the department permits.)*

This course deals chiefly with parts of the differential and integral calculus, trigonometry, analytical geometry, and differential equations. Some problems in probability are also considered. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

Descriptive Astronomy, Dr. Conner.

*Two hours a week throughout the year.**(Given in 1913-14 and again in 1914-15.)*

The subject is treated from an elementary point of view. Such advanced mathematics as seems desirable is developed in the lectures. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

## POST-MAJOR COURSES.

**Post-  
Major  
Courses.**

The post-major courses in mathematics are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to mathematical studies differs in different colleges, graduate students frequently find it advisable to elect some of these courses. Regular written work is expected from all mathematical students, and a reading knowledge of French and German is presupposed.

The post-major courses in any one year amount to four hours a week. The courses given are the following, with occasional modifications.

I. (a.) Lectures introductory to Modern Analytical Geometry, in connection with Salmon's *Conic Sections* and Scott's *Modern Analytical Geometry*.

or I. (b.) Lectures on Modern Pure Geometry.

or I. (c.) Lectures on Special Topics in Geometry, such as Homogeneous Coordinates, Circular Coordinates, Families of Curves, certain Transcendental Curves, Geometrical Transformations, etc.

Special permission to take the course I (c) before completing the two years of the major course may be granted to students whose work in the major course has shown that they are able to profit by the lectures.

II. (a.) Lectures Introductory to Modern Algebra, in connection with Salmon's *Modern Higher Algebra*, and Elliott's *Algebra of Quantics*.

or II. (b.) Lectures preparatory to the Theory of Functions, in connection with Harkness and Morley's *Introduction to the Theory of Analytic Functions* and Chrystal's *Algebra*, Vol. II.

or II. (c.) Lectures on Differential Equations, ordinary and partial.

or II. (d.) A general course in Analysis, dealing with the higher development of subjects only touched upon in the major course, such as Determinants, Fourier's Series, Infinite Series, Definite Integrals, etc.

or II. (e.) Elementary Theory of Numbers.

In 1913-14 the following post-major courses are offered:

I. (a.) Dr. Scott. *Two hours a week throughout the year.*

II. (b.) Dr. Conner. *Two hours a week throughout the year.*

In 1914-15 the following post-major courses are offered:

I. (c.) Dr. Scott. *Two hours a week throughout the year.*

II. (e.) Dr. Conner. *Two hours a week throughout the year.*

In 1915-16 the following post-major courses are offered:

I. (a.) Dr. Scott. *Two hours a week throughout the year.*

II. (d.) Dr. Conner. *Two hours a week throughout the year.*

#### GRADUATE COURSES.

Four and a half hours a week of seminary work and graduate lectures are offered each year to graduate students of mathematics accompanied by the direction of private reading and original research. The courses vary from year to year so that they may be pursued by candidates for the degree of Doctor of Philosophy for three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to four hours a week may be elected by graduate students.

#### Graduate Courses.

Theory of Surfaces, Dr. Scott. *Two hours a week throughout the year.*

(Given in 1913-14.)

In this course a general knowledge of plane algebraic curves and the elements of solid analytical geometry is presupposed. During the first semester the simpler properties of non-singular surfaces and projective properties of curves and developables are taken up; the properties of ruled surfaces and of surfaces in general are treated in the second semester.



### The Topology of Algebraic Curves, Dr. Scott.

*Two hours a week throughout the year.*

*(Given in 1914-15.)*

This course deals with the visible properties of plane algebraic curves, the number, nature and relation of the real components of singularities; the number, nature and arrangement of the distinct circuits; and also, though in less detail, with similar investigations relating to curves in space.

### Geometrical Transformations, Dr. Scott. *Two hours a week throughout the year.*

*(Given in 1915-16.)*

During the first semester the work deals with Cremona transformations in a plane; the more general theory of geometrical transformations is taken up during the second semester.

### Theory of Groups, Dr. Conner. *Two hours a week throughout the year.*

*(Given in 1913-14.)*

The theory of abstract finite groups is first developed. Permutation and substitution groups are taken up and applications to the theory of equations and to geometry discussed.

### Differential Geometry, Dr. Conner. *Two hours a week throughout the year.*

*(Given in 1914-15.)*

An account of the classical theory of the infinitesimal properties of curves and surfaces will first be given. The modern development of the subject will then be studied and special attention will be paid to metrical notions.

### Calculus of Variations, Dr. Conner. *Two hours a week throughout the year.*

*(Given in 1915-16.)*

The foundations of the subject will be laid with careful attention to mathematical rigour. Numerous problems chosen from a wide range of subjects will be proposed and investigated.

### Mathematical Journal Club, Dr. Scott and Dr. Conner.

*One hour a fortnight throughout the year.*

The journal club holds fortnightly meetings at which reports on special topics or memoirs are presented by the instructors and the graduate students.

## SCIENCE.

### Physics, Chemistry, Geology, Biology.

Professors and instructors: Dr. Florence Bascom, Dr. William B. Huff, Dr. David Hilt Tennent, Dr. James Barnes,\* Dr. Frederick Hutton Getman, Dr. Thomas Clachar Brown, Dr. Roger Frederick Brunel, Dr. Alfred Russell Moore, Dr. Annie Louise Macleod, Dr. Janet Tucker Howell (elect), Miss Mabel Frehafer, and Miss Mary Edith Pinney.

In January, 1893, the trustees opened Dalton Hall, a large building containing ample laboratories, lecture-rooms, research-rooms, special libraries, and professors' rooms for the work of the scientific departments. The physical, chemical, and biological laboratories are open to students from nine to six daily.

The attention of graduates of medical colleges and of undergraduate and graduate students intending to take the degree of

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\* Granted leave of absence for the year 1914-15.

Doctor of Medicine is called to the facilities offered by the laboratories, and to the resolutions of the Trustees of the Johns Hopkins University in regard to the admission of students to the Medical School of that University, which opened in the autumn of 1893, and has from the first admitted women on the same terms as men. The courses of Bryn Mawr College in physics, chemistry, and biology correspond to those of the Johns Hopkins University,\* and it is easy for a student to elect a course corresponding exactly to the Preliminary Medical Course of the Johns Hopkins University. Students planning to begin the study of medicine should elect physics for one year and biology and chemistry for two years.

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\* REQUIREMENTS FOR ADMISSION TO THE MEDICAL DEPARTMENT OF THE JOHNS HOPKINS UNIVERSITY.

"As candidates for the degree of Doctor of Medicine the school receives:

1. Those who have satisfactorily completed the Chemical-Biological Course which leads to the A.B. degree in this University. (Group V.)
2. Graduates of approved Colleges or Scientific Schools who can furnish evidence: (a) That they have acquaintance with Latin and a reading knowledge of French and German; (b) That they have such knowledge of biology, chemistry and physics as may be obtained by a year's course in these subjects when accompanied by laboratory work.†
3. Those who give evidence by examination that they possess the general education implied by a degree in arts or in science from an approved college or scientific school and the knowledge of French, German, Latin, Physics, Chemistry, and Biology above indicated."

† **BIOLOGY.**—In addition to the usual class work, the instruction must include a year's laboratory course of six hours or more a week upon the structure, functions and life-histories of selected types of animal and plant life. Courses in botany or zoology will be accepted provided the laboratory work has been adequate. It is desirable that the course should include laboratory instruction in embryology.

**CHEMISTRY.**—The minimum requirement is a one year course, including five hours of laboratory work a week throughout the year, covering the outlines of inorganic chemistry and the elements of organic chemistry, somewhat as presented in Remsen's "Introduction to the Study of Chemistry." Students will be required to present evidence that in addition to these requirements they have had an elementary course in organic chemistry, including at least 25 to 30 lectures and 90 to 100 hours of laboratory work.

**PHYSICS.**—A collegiate course for at least one year is required. This must include four hours a week of class-room work and at least three hours a week of *quantitative* work in the laboratory. Special attention should be given to theoretical mechanics and to mechanical and electrical experiments.

**LATIN.**—The student should have studied Latin grammar and should possess at least such knowledge of the language as may be acquired by reading four books of Caesar or their equivalent.

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Similar requirements are made for admission to the Medical College of Cornell University.

The Woman's Medical College of Pennsylvania admits students of Bryn Mawr College who have pursued the chemical-biological course that leads to the A.B. or the Ph.D. degree to advanced standing in the corresponding branches of the college curriculum on presentation of evidence of work equivalent to that done in the Medical School and on passing the required examinations in these branches. The Woman's Medical College presented to Bryn Mawr College in 1910 a scholarship to be awarded to a graduate of the college giving free tuition and renewable for the four years of the college course.

## Physics.

The instruction in this department is under the direction of Dr. William B. Huff, Professor of Physics, Dr. James Barnes,\* Associate Professor of Physics, Dr. Janet Tucker Howell, Lecturer (elect) in Physics, and Miss Mabel Kathryn Frehafer, Demonstrator in Physics. The instruction offered in physics covers twenty hours of lectures a week; it includes ten hours a week of undergraduate minor and major work, three hours a week of free elective work, three hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in physics; and four hours a week of graduate lectures and seminary work.

The first year of the major course deals principally with the development of physical facts and is accordingly mainly experimental and descriptive in its nature. A wide range of physical phenomena and the elements of physical theories are treated. The course is planned to cover the whole subject from this point of view so as to give those who do not intend to pursue physics further, such a knowledge of its principles as will enable them to follow its recent development and applications, and also to provide those electing physics as a group with a good foundation for more advanced work. No knowledge of physics is presupposed. In the second year the course is intended to serve as an introduction to the theories to which experimental evidence has led. The treatment is accordingly more mathematical than in the first year, but the experimental side of the subject is still emphasised. A knowledge of trigonometry is required, and some familiarity with the methods of the calculus will be of assistance.

### FIRST YEAR.

(*Minor Course.*)

*1st Semester.*

(*Given in each year.*)

**Major  
Course.**

Mechanics, Heat, Sound, and Properties of Matter, Dr. Huff.

*Five hours a week.*

Laboratory Work, Dr. Huff and Miss Frehafer.

*Four hours a week.*

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\* Granted leave of absence for the year 1914-15. The courses offered by Dr. Barnes will be given in 1914-15 by Dr. Howell.



*2nd Semester.*

Electricity, Magnetism, and Light, Dr. Barnes.\* *Five hours a week.*

Laboratory Work, Dr. Barnes\* and Miss Frehafer. *Four hours a week.*

The instruction in this course is given by means of lectures, daily oral quizzes, occasional written quizzes, regular problem papers, and required private reading. Students are expected to use, in connection with the lectures, text-books on the special part of the subject under discussion; at present Crew's *General Physics* is used for reference; also the text-books of Ames and Glazebrook. The lectures are illustrated throughout by means of the lantern, by demonstrations on the lecture table, and by the exhibition of apparatus, etc.

In the laboratory, the students are first instructed in the methods of accurate measurement of the simple quantities, length, time, and mass; later, they make a series of determinations, mainly quantitative, on the part of the subject under discussion in the lecture room at the time. Ames and Bliss's *Manual of Experiments in Physics* is found useful as a reference work for part of this course. A system of laboratory lectures has also been developed to supplement the class-room work, to point out sources of error and their treatment, to demonstrate methods of manipulation, and, in general, to give directions for working which are applicable to the class as a whole; they are given at the beginning of each week's laboratory work. The object of the work is to familiarise the students with the instruments and methods used in physical measurements, with special reference to the quantitative laws upon which the science is based. The laboratory is equipped with this object in view, and the apparatus is all of the most modern design.

## SECOND YEAR.

*1st Semester.*

(Given in each year.)

Theoretical Mechanics, Theory of Light, Dr. Barnes.\* *Three hours a week.*

Laboratory Work, Dr. Barnes\* and Miss Frehafer. *Six hours a week*

*2nd Semester.*

Theory of Heat, Theory of Electricity and Magnetism, Dr. Huff.

*Three hours a week.*

Laboratory Work, Dr. Huff and Miss Frehafer. *Six hours a week.*

The instruction is given by lectures, supplemented by the discussion of weekly problem papers; the text-books mentioned below indicate the character of the ground covered, and form the basis of the lectures. Private reading and outside preparation will take at least three and a half hours a week, and the course counts as a five-hour lecture course. An endeavour is made to bring the students into contact with the work of original investigators.

The general text-book used is Watson, *Physics*; the books used in special subjects are as follows: heat: Maxwell, *Theory of Heat*, Preston, *Theory of Heat*; dynamics: selections from Tait and Steele's *Dynamics of a Particle*, Jeans's *Theoretical Mechanics*; and special lectures dealing with the applications of dynamics to physical problems; electricity and magnetism: J. J. Thomson, *Elements of the Mathematical Theory of Electricity and Magnetism*; optics, physical and geometrical: Preston, *Theory of Light*, Edser, *Light*.

The laboratory work of the second year is designed to follow and illustrate the subject-matter of the lectures. The student is taught the use of accurate instruments and the methods of physical investigation. A special study is made of the sources and amounts of the errors involved in the different operations, and the problems assigned are adapted as far as possible to the requirements and wishes of the individual students.

*Group: Physics with Philosophy, or with Mathematics, or with Chemistry, or with Geology, or with Biology.*

\* See footnote, page 166.



## FREE ELECTIVE COURSES.

**Free  
Elective  
Courses.****Historical Development of Physics, Dr. Huff.***One hour a week throughout the year.**(Given in 1913-14 and again in 1915-16.)*

The work of this course consists of lectures, required reading, and class-room discussions. The lectures give an elementary presentation of some of the more important ideas and results of physics. The reading is intended to supplement the lectures and to provide additional material for general discussion. The course is open to students who have had a minor course in science or its equivalent.

**Physical Basis of Music, Dr. Huff.***One hour a week throughout the year.**(Given in 1914-15.)*

In the lectures of this course it is planned to present some of the physical principles illustrated in the construction of musical instruments and underlying the general theory of music. Private reading is assigned.

**Astrophysics, Dr. Barnes.***Two hours a week throughout the year.**(Given in 1913-14 and again in 1915-16.)*

This course consists of lectures on the application of physical principles and methods to the study of the composition, structure, and motions of the heavenly bodies. Clarke's *Problems in Astrophysics*, Darwin's *The Tides*, and selected chapters in Moulton's *Celestial Mechanics* will be read and discussed. The course is open to students who have taken the minor course in physics or the minor course in mathematics or courses equivalent to these.

## POST-MAJOR COURSES.

**Post-  
Major  
Courses.**

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. A knowledge of differential and integral calculus is required. These lectures deal not only with the theoretical development of the subject, but great stress is laid on the important experimental work which has been done in it, and methods and results are criticised and opportunities for further investigation pointed out. The object of the courses is to prepare students to undertake independent work. The laboratory work is planned with this object in view and is arranged to meet the special needs of each individual student. Graduate students may be permitted to take the lectures without the laboratory work. In addition to the laboratory work which accompanies the lectures a student may take extra laboratory work sufficient to make the courses equivalent to five hours a week.

**Properties of Matter, Dr. Huff.***Three hours a week during the first semester.**(Given in 1913-14.)*

The lectures cover the general subject of the properties of matter studied from the point of view of the Molecular Theory. The different theories of matter are discussed and an account of recent investigations concerning the relations of matter and electricity is given. Poynting and Thomson's *Properties of Matter* is read in connection with the course.

**Theory of Sound, Dr. Huff.***Three hours a week during the second semester.**(Given in 1913-14.)*

The lectures form an introduction to the theory of modes of vibration of pipes, strings, and rods. The theory of music and of musical instruments is then studied. Poynting and Thomson's *Sound* is used during the earlier part of the course, and frequent references are made to Helmholtz and Rayleigh.

Spectroscopy,\* Dr. Barnes.

*Three hours a week throughout the year.*

*(Given in 1914-15.)*

The course begins with a complete discussion of the apparatus used in this subject; the results of past and present investigations are then considered, and problems for investigation are pointed out. The many important applications of spectroscopy to astronomy are not neglected. The standard book of reference is Kayser's *Handbuch der Spectroscopie*. Detailed reports of laboratory investigations are required.

Electricity and Magnetism, Dr. Huff. *Three hours a week throughout the year.*

*(Given in 1915-16.)*

The lectures of this course treat typical mathematical and experimental problems chosen from the various parts of the entire subject. A large number of problems on potential and attraction are assigned.

General Optics, Dr. Barnes.

*Three hours a week throughout the year.*

*(Given in 1916-17.)*

These lectures give a general discussion of the theories advanced to explain many phenomena in light. Students are required to have a good knowledge of elementary optics and to be sufficiently familiar with optical apparatus to undertake a detailed study of some special problem.

#### GRADUATE COURSES.

Four hours a week of seminary work and graduate lectures are offered each year to graduate students of physics accompanied by the direction of private reading, laboratory work and original research, and these courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to three hours a week may be elected by graduate students.

**Graduate  
Courses.**

Thermo-dynamics and Radiation, Dr. Barnes.

*Three hours a week throughout the year.*

*(Given in 1913-14.)*

The modern developments of thermo-dynamics and radiation are considered. Attention is paid to the application of the laws of thermo-dynamics in physical chemistry.

Radioactivity and Discharge of Electricity through Gases, Dr. Huff.

*Three hours a week during the first semester.*

*(Given in 1914-15.)*

The earlier lectures treat of the effect of fields on the path of a moving charged particle. A discussion of typical experimental methods of measuring velocity and the ratio of charge to the mass follows. After a study of the phenomena of electrical discharge and of radioactivity a brief account of theories is given.

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\* See footnote, page 166.

**Electron Theory, Dr. Huff.***Three hours a week during the second semester.**(Given in 1914-15.)*

The mathematical development of the subject is presented in the lectures, with special reference to experimental tests of theory.

**Physical Optics, Dr. Barnes.***Three hours a week throughout the year.**(Given in 1915-16.)*

This course gives a general mathematical discussion of physical optics. Students are expected to give detailed reports on the methods and results of investigations which illustrate the theory. When it seems desirable two and a half hours of experimental work will be substituted for one hour of the lecture course.

**Mathematical Theory of Electricity and Magnetism, Dr. Huff.***Three hours a week throughout the year.**(Given in 1916-17.)*

The lectures are based on Maxwell's standard work, and include a general account of the later development of the theory.

**Physical Journal Club, Dr. Huff and Dr. Barnes.***One hour a week throughout the year.**(Given in each year.)*

The advanced students and the instructors meet to hear reports and discuss recent scientific articles.

**Laboratory Work, Dr. Huff and Dr. Barnes.**

The laboratory work is arranged for the purpose of familiarising the student with methods of research; the student begins by repeating methods and investigations of well-known experimenters, with any modifications that may be suggested, passing on to points of investigation left untouched by previous experimenters, and finally to the study of new methods and the prosecution of original research. Students taking physics as their chief subject for the degree of Doctor of Philosophy are expected to spend all the time possible in work in the laboratory. The laboratory is provided with special rooms for magnetic, optical and electrical work, and in the basement is a constant-temperature vault designed for accurate comparison of lengths, etc. The stock of apparatus is being added to yearly. A well-equipped shop and trained mechanics make it possible to construct special forms of apparatus designed for research.

**Chemistry.**

The instruction in this department is under the direction of Dr. Roger Frederick Brunel, Associate in Chemistry, Dr. Frederick Hutton Getman, Associate Professor of Chemistry, and Dr. Annie Louise Macleod, Reader in Physiological Chemistry and Demonstrator in Chemistry. The instruction offered in chemistry covers twenty-one hours of lectures a week; it includes ten hours a week of undergraduate major and minor work, two hours a week of free elective work, four hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in chemistry, and seven hours a week of graduate work.

The first year's work, or minor course, is a general introduction to the subject. Lectures are given in both inorganic and organic chemistry, making an elementary course that is complete in itself.

In the second year particular attention is paid to the quantitative side of chemical phenomena. The lectures are mainly on theoretical and organic chemistry.

The post-major courses are intended to prepare students for independent work, particular attention being paid to laboratory methods.

#### FIRST YEAR.

(*Minor Course.*)

##### 1st Semester.

(*Given in each year.*)

Introduction to General Chemistry, Dr. Brunel.

*Five hours a week.*

Laboratory Work, Dr. Brunel and Dr. Macleod.

*Four hours a week.*

**Major  
Course.**

The course does not presuppose any knowledge of chemistry. In the class-room the nature of chemical action is taught by lectures that are illustrated by a series of experiments in which the more important substances are made and transformed, the time being spent largely on the non-metals. Throughout the semester the lectures and the laboratory work are complementary. The laboratory work of each day is outlined in the lecture, sufficient instruction being given to enable the students to observe intelligently. After all the experiments on a given subject have been made the results are discussed in the class-room.

##### 2nd Semester.

The Chemistry of the Metals, Dr. Macleod.

*Three hours a week.*

Laboratory Work, Dr. Macleod.

*Four hours a week.*

This course deals with the properties of the more important metallic elements and their compounds. The methods of separation employed in the laboratory are discussed, and the fundamental principles upon which these methods of separation are based are emphasised. The lectures are supplemented by required private reading.

The laboratory work consists of qualitative analyses. The students are first taught to identify the acids and bases in simple salts; later, they are required to carry out complete analyses of minerals and metallurgical products.

Introduction to Organic Chemistry, Dr. Macleod.

*Two hours a week.*

This course is designed to meet the needs of students who take only one year of chemistry; but the material is so selected that it serves as an introduction to the more systematic course given in the second year. An effort is made to make clear the relation that exists between the arrangement of the atoms in the molecule and the behavior of chemical substances; and to give some understanding of the processes of reasoning by which the structure of the simpler organic compounds is determined.

#### SECOND YEAR.

##### 1st Semester.

(*Given in each year.*)

Lectures on Elementary Theoretical Chemistry, Dr. Getman.

*Three hours a week.*



In this course chemical facts are considered from the point of view of common and exact relations and from these relations the laws and theories of chemistry are developed. Special attention is paid to the atomic theory, the laws of gases, the theory of solutions and simple equilibria. Private reading and outside preparation amounting to at least three and a half hours a week is required.

Laboratory Work, Dr. Getman.

*Six hours a week.*

The laboratory work consists of quantitative analyses. Each exercise is important in itself and illustrates some principle or involves some manipulation of general application in analytical work.

## 2nd Semester.

Organic Chemistry, Dr. Brunel.

*Three hours a week.*

This course presupposes a knowledge of the elements of organic chemistry as given in the first year. The methods of preparation and typical reactions of the simpler classes of compounds are first briefly reviewed and entered into more thoroughly than in the minor course. The constitution and synthesis of the more important classes of compounds, such as the sugars, the purine group, the diazo-compounds, etc., are taken up. Private reading and outside preparation amounting to at least two and a half hours a week is required.

Laboratory Work, Dr. Brunel and Dr. Macleod.

*Seven hours a week.*

The laboratory work is devoted to organic preparations. Simple representatives of the more important classes of organic compounds are first prepared and their typical reactions studied. After a familiarity with the methods of dealing with organic substances has been gained, syntheses of a few of the more complex organic compounds are carried out.

*Group: Chemistry with Mathematics, or with Physics, or with Geology, or with Biology.*

## FREE ELECTIVE COURSE.

### *Free Elective Course.*

Chemistry of the Enzymes, with special reference to bacterial processes, Dr. Macleod.

*Two hours a week throughout the year.*

*(Given in 1913-14 and again in 1915-16.)*

This course is intended on the one hand for students who wish to teach chemistry and bacteriology, and on the other for those who desire to fit themselves for work in Public Health laboratories. It will consist of lectures, reports on assigned private reading, and laboratory work. While dealing primarily with the enzymes and the chemical reactions in which they play a part, special topics may be added to meet the requirements of individual students. Three hours laboratory work will be required.

## POST-MAJOR COURSES.

### *Post- Major Courses.*

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Organic Chemistry, selected topics, Dr. Brunel.

*One hour a week throughout the year.*

*(Given in each year.)*

The aim of this course is to lay the foundation for independent work in organic chemistry. The lectures begin with a study of current problems as illustrated by some particu-

lar class of organic compounds. This is followed by a discussion of the laboratory methods available for the solution of such problems. Students are required to take with this course four and a half hours of laboratory work, making the course equivalent to a two hour lecture course.

The laboratory work is varied to meet the needs of the individual students. In general, the student begins with the preparation of some of the more important substances that are discussed in the lectures. This is followed by organic analyses, molecular weight determinations, and the transformations necessary to establish the structural formulas of the substances prepared.

Physical Chemistry, Dr. Getman.

*Two hours a week throughout the year.*

*(Given in each year.)*

The aim of the lectures is to extend the student's knowledge of theoretical and physical chemistry and to lay a foundation for independent work in this subject. The lectures are intended to give a general outline of the subject, the following topics being discussed: fundamental theories of chemistry; the periodic classification; the corpuscular theory of matter; the laws of gases, liquids and solids; osmotic pressure and dilute solutions; colloidal solutions; thermochemistry; homogeneous and heterogeneous equilibria; chemical kinetics; electrochemistry; actinochemistry and radiochemistry. The solution of a large number of problems will be required.

The laboratory work amounting to four and a half hours a week is designed to prepare the student for physico-chemical research.

Inorganic Chemistry, Dr. Getman.

*One hour a week throughout the year.*

*(Given in each year.)*

Selected topics in inorganic chemistry are discussed in detail, and parallel reading is required. In the laboratory work of four and a half hours a week advanced quantitative analyses are included.

#### GRADUATE COURSES.

Seven hours a week of seminary work and graduate lectures are offered each year to graduate students of chemistry accompanied by the direction of private reading, laboratory work, and original research. The lecture courses are varied from year to year to meet the requirements of students and to form a consecutive course for those who wish to make chemistry the chief subject in the examination for the degree of Doctor of Philosophy. Such students may specialise either in organic chemistry, under the direction of Dr. Brunel, or in physical chemistry, under the direction of Dr. Getman, but students who make organic chemistry the major subject of examination must take physical chemistry as one of their minor subjects, and students who make inorganic chemistry the major subject, must take organic chemistry as one of their minor subjects. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to three hours a week may be elected by graduate students.

#### *Graduate Courses.*

Chemical Seminary, Organic Chemistry, Dr. Brunel.

*One hour a week throughout the year.*

*(Given in each year.)*

The students who specialise in organic chemistry present formal reports upon assigned topics.

Chemical Seminary, Inorganic Chemistry, Dr. Getman.

*One hour a week throughout the year.*

*(Given in each year.)*

The course consists of lectures, required reading, and reports on various topics. The needs of the individual students are considered in selecting the subjects for discussion.

Physical Chemistry, Dr. Getman.

*Two hours a week throughout the year.*

*(Given in each year.)*

In the lectures no attempt is made to give a general survey of the subject, but certain selected portions of the science are treated in detail and the student is made familiar with problems of current interest.

Advanced Organic Chemistry, Dr. Brunel.

*Two hours a week throughout the year.*

*(Given in each year.)*

Chemical Journal Club, Dr. Brunel, Dr. Getman, and Dr. Macleod.

*One hour a week throughout the year.*

The advanced students and the instructors meet to hear reports and discuss recent scientific articles.

## Geology.

The instruction in this department is under the direction of Dr. Florence Bascom, Professor of Geology, and Dr. Thomas Clachar Brown, Associate in Geology.

The instruction offered in geology covers twenty hours of lectures a week; it includes ten hours a week of undergraduate major and minor work, four free elective courses of one and two hours a week respectively, four post-major courses of two and three hours a week open only to graduates and to undergraduates that have completed the major course in geology, and four graduate courses of two and three hours a week respectively, but all these courses will not be given in the same year.

The first year of the major course in geology is arranged to give a general survey of two divisions of the science and at the same time to introduce the student to the larger field of geology. It may be taken as a free elective or as a year of required science or as the first year of the group course in geology. The purpose of the course is to make clear to the student the present constitution, form, and evolution of the earth's crust, to promote keen and accurate observation of natural phenomena, and to give some insight into the nature of geological problems.

The second year of the major course deals with the rocks and minerals of the earth's crust, and also affords training in structural geology.

Post-major courses in petrography, mineralogy, and palæontology are offered in each year, and are designed to train the student in petrographic methods for the exact determination of rock species and rock families and in the principles of invertebrate and vertebrate palæontology. They are an essential preliminary to research work in the science.

Excellent illustrative material for the graduate and undergraduate courses is furnished by the geological and paleontological collections of the college, including the Theodore D. Rand rock and mineral collection, which alone contains over 20,000 specimens, by the private collections of the instructors, and by material lent by the United States Geological Survey. The department is also fortunate in its proximity to the museum of the Academy of Natural Sciences of Philadelphia. Within easy reach of the college are good collecting fields for fossil, mineral, and rock specimens:

#### FIRST YEAR.

(*Minor Course.*)

##### 1st Semester.

(*Given in each year.*)

Physiography, Dr. Bascom.

*Five hours a week.*

Field Work and Laboratory Work, Dr. Bascom.

*Four hours a week.*

**Major  
Course**

The lectures deal primarily with the character and action of the forces which control the landscape and with the features produced by physiographic processes; subordinately physiographic regions are discussed. The lectures are illustrated by photographs, lantern slides, geographical relief models, and maps. No text-book is used, but standard manuals are accessible for reference.

In the laboratory the student is occupied with a study of the development of physiographic forms. This is conducted with the use of Davis' *Atlas for Practical Exercises in Physical Geography* assisted by models, photographs, topographic maps, and natural illustrations.

For the field work, excursions are made into the immediate neighborhood on Mondays from 2 to 4 p.m. during the autumn and spring. As the course progresses, more extended excursions may be taken among the crystalline rocks of the South Mountain Range or the fossiliferous formations of the Coastal Plain. On all excursions instruction in field geology is given, areal mapping is accomplished, and reports of the areas covered are required of the students. Reading amounting to three hours will be required of students absent from a field trip. During the winter months laboratory work replaces the field excursions.

##### 2nd Semester.

Introduction to Historical Geology, Dr. T. C. Brown.

*Five hours a week.*

Field Work and Laboratory Work, Dr. T. C. Brown.

*Four hours a week.*



The lectures deal with the evolution of continents and of life, and with the distribution and character of the various rock formations. Special attention is given to the development of life and to the theory of evolution.

In the laboratory the student becomes familiar with the typical flora and fauna of the successive geologic formations and with the development of the more important classes. The field work involves excursions to fossiliferous localities in the paleozoic formations of Pennsylvania, and to the mesozoic and cenozoic formations of New Jersey. During the winter months and when the weather is unsuitable laboratory work is substituted for the field work.

#### SECOND YEAR.

##### 1st Semester.

(Given in each year.)

Megascopic Petrology, Dr. T. C. Brown.

Three hours a week.

Field Work and Laboratory Work, Dr. T. C. Brown.

Six hours a week.

The lectures discuss the materials which constitute the earth's crust; the chief precious stones, the principal rock-forming minerals and others of special economic importance are first described; the important rock types, sedimentary, igneous, and metamorphic are described and their relations shown. The course closes with a discussion of the phenomena and principles of vulcanism and seismology. The lectures are illustrated by mineral and rock specimens, photographs, lantern slides, and wooden models. Private reading and outside preparation amounting to at least three and a half hours a week are required.

In the laboratory crystal forms, rock-forming minerals, and rock types are systematically studied.

Field excursions are made to mineral localities in the vicinity of the college.

##### 2nd Semester.

Glaciology and Structural Geology, Dr. Bascom.

Three hours a week.

Field Work and Laboratory Work, Dr. Bascom.

Six hours a week.

The lectures treat of the evidences, conditions, work, and causes of the glacial period; the development of man; the causes and effects of earth movements; hypotheses of the origin and of the age of the earth. The course is illustrated with models, photographs, and lantern slides. Private reading and outside preparation amounting to at least three and a half hours a week are required.

In the laboratory topographic maps and models illustrating features due to glaciation and geologic folios, maps, and models illustrating geologic structures are studied. Practice is given in topographic mapping from models, in modeling from topographic maps, and in drawing structure sections.

The field work of the first semester is continued and training in topographic mapping may also be given.

*Group: Geology with Mathematics, or with Physics, or with Chemistry, or with Biology.*

#### FREE ELECTIVE COURSES.

Cosmogony, Dr. Bascom.

One hour a week throughout the year.

(Given in 1915-16 and in each succeeding year if the time of the department permits.)

#### Free Elective Courses.

The work of the course is conducted by means of lectures, required reading and classroom discussion. The lectures treat of the origin of the earth, the growth of the continents and the development of landscape, and are illustrated by lantern slides. The reading is intended to supplement the lectures and to furnish further material for discussion. The course is intended to give a survey of the more important results reached by geological research.

## Evolution of the Vertebrates, Dr. T. C. Brown.

*Two hours a week throughout the year.*

*(Given in 1913-14 and again in 1915-16.)*

This course consists of lectures illustrated by charts, diagrams, lantern slides and photographs. It gives a comprehensive outline of the evolution of the vertebrates from the earliest appearance of representatives of this group to the present time. This vertebrate phylum not only contains the highest types of animal life but is the only phylum which has gone through the whole of its evolution since the beginning of geological history as recorded in the fossil-bearing rocks. The course will consider first those primitive types which perhaps represent ancestral vertebrate forms and then will consider in the order of their appearance the five great classes of Fishes, Batrachians, Reptiles, Birds, and Mammals. The rise and development of the mammals will be followed in considerable detail, and an attempt will be made to show the relation between the types which were developed and their environment including the geographic, physiographic, and climatic factors as well as the surrounding animal and plant life.

## Meteorology, Dr. T. C. Brown.

*One hour a week throughout the year.*

*(Given in 1914-15 and again in 1916-17.)*

This course will consist of a series of lectures, supplemented by required reading, on the general field of meteorology and the phenomena with which this science deals. The discussions will deal with the atmosphere, atmospheric temperatures and pressures; winds, dew, frost, clouds, rain, and snow; cyclonic storms, local storms, causes and distribution of rainfall; weather maps and weather predictions.

## Geologic and Geographic Control in American History, Dr. T. C. Brown.

*Two hours a week throughout the year.*

*(Given in 1914-15 and again in 1916-17.)*

The work in this course will consist of lectures and discussions, supplemented by private reading, concerning the effects of geologic and geographic features upon American history. The following selection will indicate the nature of the topics to be discussed: Topographic effects upon types of industry; mountains, valleys, and routes of travel; water power, mineral fuel, and manufacturing sites; mineral deposits and their effects upon the settlement of the western states; the "fall line" and the larger cities of the Atlantic coast.

### POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

### *Post-Major Courses.*

## Petrography, Dr. Bascom.

*Three hours a week throughout the year.*

*(Given in each year.)*

During the first semester the lectures deal with the principles of optical crystallography, the optical means of mineral determination, and the petrographic characters of rock-forming minerals. In the second semester the structure, composition, characters, origin, geographical distribution, and geological associations of the igneous rocks are treated. Practice is given in the quantitative chemical classification of igneous rocks for the purpose of determining their position in the new system. Petrographical investigation in the field and laboratory is included in the course. The works of Groth, Rosenbusch, Zirkel, and Michel Levy are used for reference. Special field problems are given to the students for independent solution.

## Determinative Mineralogy, Dr. Bascom. *Two hours a week throughout the year.*

*(Given in each year.)*

In this course lectures and laboratory practice deal with the determination of minerals by means of physical tests and by blow-pipe analysis. Special emphasis will be placed on crystal forms and practice will be given in the use of the two-circle contact goniometer.

### Invertebrate Paleontology, Dr. T. C. Brown.

*Three hours a week throughout the year.*

*(Given in each year.)*

The course presupposes a knowledge of historical geology. During the first semester a systematic study is made of the various classes of invertebrate animals which are found in a fossil state. Special attention is given to the relations of these classes to each other, and any bearing that this may have on the theory of evolution is pointed out. Those classes which are of practical value to the stratigraphic geologist in determining the geologic age of formations are dwelt upon at considerable length. Excursions are made to neighboring fossiliferous localities to collect fossils and to observe their occurrence in the rocks. The student has access, not only to the representative paleontological collection of Bryn Mawr College, but also to the large collections of the several academies and institutions in Philadelphia.

The work of the second semester is designed to make the students familiar with methods of applying a knowledge of invertebrate paleontology to the problems of geology. It will treat in detail each of the successive faunas or assemblages of animal life which have developed since the opening of the Cambrian period. An attempt will be made to show that each fauna was a direct response to the environment which surrounded it, and the probable geologic, physiographic, and climatic factors of this environment will be discussed.

### Vertebrate Paleontology, Dr. T. C. Brown.

*Two hours a week throughout the year.*

*(Given in each year.)*

A systematic study is made of the vertebrate remains which have been found as fossils. Since the vertebrate organisms represent the highest phase of development to which the animal kingdom has attained, a study of their past history is of prime importance in elucidating some of the most fundamental principles in the evolution of life.

### Economic Geology, Dr. T. C. Brown. *Two hours a week during the first semester.*

*(Given in 1913-14.)*

The lectures deal with the properties, occurrence, distribution, production, value, etc., of the more important non-metallic minerals such as coal, petroleum, building stones, clay, lime, calcareous cements, salines, gypsum, fertilizers, abrasives, asbestos, graphite, precious stones, and underground waters. The metallic ores such as iron, copper, lead, and zinc, silver-lead, gold and silver, and the minor metals will also be considered.

### The Nature of Ore Deposits, Dr. T. C. Brown.

*Two hours a week during the second semester.*

*(Given in 1913-14.)*

The theories as to the origin of ore bodies and the nature of their occurrence in the more important mines of the world will be considered.

### GRADUATE COURSES.

#### **Graduate Courses.**

The graduate courses in petrology and mineralogy should be preceded by the major and post-major courses or their equivalents and are intended primarily for graduate students wishing to make geology a major subject for the degree of Doctor of Philosophy. The graduate course in crystallography is also intended to meet the needs of graduate students in chemistry who wish to make crystallography a minor subject for the degree of Doctor of Philosophy. The graduate courses in stratigraphic geology and paleontology and paleogeography are designed primarily for



graduate students wishing to make geology a major subject for the degree of Doctor of Philosophy; they may also be taken by graduate students in biology who wish to make paleontology a minor subject for the degree of Doctor of Philosophy. Further graduate courses in petrology and paleontology will be arranged to suit the requirements of candidates for the degree of Doctor of Philosophy and research problems will be assigned.

Students may specialise either in petrology and crystallography under the direction of Dr. Bascom, or in stratigraphic geology and paleontology, under the direction of Dr. T. C. Brown, but students who make petrology and crystallography the major subject of examination must take stratigraphic geology and paleontology as one of the minor subjects and students who make stratigraphic geology and paleontology the major subject, must take petrology as one of the minor subjects.

No undergraduates are admitted to the graduate courses.

Seminary in Petrology, Dr. Bascom. *One hour a week throughout the year.*  
(Given in each year.)

This seminary will be conducted by means of informal discussions, required reading, and formal reports. The selection of subjects for discussion will depend upon the needs of the individual students.

Seminary in Stratigraphic Geology and Paleontology, Dr. T. C. Brown.  
*One hour a week throughout the year.*  
(Given in each year.)

The students who specialise in stratigraphic geology and paleontology present formal reports upon assigned topics.

Petrology, Dr. Bascom. *Three hours a week throughout the year.*  
(Given in each year.)

The lectures deal with the problems of metamorphism of both aqueous and igneous rocks. The character of metamorphic processes and the conditions which control these processes, the megascopic and microscopic structures, and the criteria determining the origin, classification, geographic distribution, and geologic occurrence of metamorphic rocks are treated. Direction is given in topographic and geologic mapping with the use of the plane-table and alidade.

Crystallography, Dr. Bascom. *Two hours a week throughout the year.*  
(Given in each year.)

Both the lectures and laboratory practice deal with crystal measurement by means of the two-circle reflecting goniometer, with crystal projection, crystal drawing, and the determination of the crystal elements.

The works of Goldschmidt, Hintze, Groth, Tschermak, and Dana are used as reference books.

Stratigraphic Geology and Paleontology, Dr. T. C. Brown.  
*Three hours a week throughout the year.*  
(Given in each year.)

The lectures deal with the principles of sedimentation; the petrologic character, distribution, faunal contents and geologic succession of the formations of North America. The limits of the various faunal provinces will be established so far as possible and the sediments deposited in the various epicontinental seas correlated. The diastrophic movements which threw the formations into folds producing mountain ranges and basins will receive special attention.



Paleogeography, Dr. T. C. Brown. *Three hours a week during the first semester.*

*(Given in each year.)*

The lectures deal with all phenomena that throw light upon the extent, the relief, the climate and the life of the lands and seas of geologic time. Special attention is given to the positive and negative movements of the strand line, the development of epicontinental seas, the distribution of atmospheric and oceanic currents, climatic changes, food supply, faunal provinces, and the effect of seas and barriers upon the distribution and migration of plants and animals. In the laboratory a number of the exercises will deal with the making of paleogeographic maps and models.

Geological Journal Club, Dr. Bascom and Dr. T. C. Brown.

*One hour a week throughout the year.*

The graduate students and the instructors meet for the presentation and discussion of recent geological literature.

## Biology.

The instruction in this department is under the direction of Dr. David Hilt Tennent, Professor of Biology, Dr. Arthur Russell Moore, Associate Professor of Physiology, and Miss Mary Edith Pinney, Demonstrator in Biology. The instruction offered in biology covers twenty-three hours of lectures a week; it includes ten hours a week of undergraduate minor and major work; one hour a week of free elective work; six hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in biology, and six hours a week of graduate lectures and seminary work. The post-major work may be further extended by special laboratory courses.

The work of the first year, or minor course, forms a general introduction to the subject through a broad, comparative study of living things (general biology). In the second year the foundation of a minuter knowledge of animal morphology and physiology is laid. The third year's work, or post-major course, is devoted to the study of more advanced subjects and the practical investigation of simple problems. A knowledge of the elements of chemistry and physics is very desirable for students entering any course in biology, and is necessary for advanced work in the subject.

### FIRST YEAR.

*(Minor Course.)*

#### 1st Semester.

*(Given in each year.)*

#### **Major Course.**

Lectures on General Biology, Dr. Tennent.

*Five hours a week.*

Laboratory Work, Dr. Tennent and Miss Pinney.

*Four hours a week*

*2nd Semester.*

Lectures on General Biology, Dr. Tennent and Dr. Moore.

*Two hours a week.*

The first nine weeks of the semester are devoted to the study of the blood, circulation, and respiration, with especial reference to mammals. The lectures on embryology of vertebrates follow, and are given five hours a week throughout the remainder of the semester.

Laboratory Work, Dr. Tennent, Dr. Moore and Miss Pinney.

*Four hours a week.*

It is the object of this course to give the student clear conceptions of the fundamental principles of morphology and physiology and of the relations of the biological sciences to one another and to other branches of science. The laboratory practice is designed to enable the student, as far as possible, to examine for herself the facts discussed in the lectures, to encourage the habit of exact observation, and to impart a knowledge of methods of practical work.

The general subject is treated in two courses which supplement each other and must be taken together. The course in the first semester deals especially with the lower forms of life, the relations of plants and animals, and the more general principles of the science. The course in the second semester is devoted more largely to the higher forms of animal life, with special reference to physiology.

The work is designed not simply to teach the elements of zoology and botany, as commonly understood, but in addition to this to treat plants and animals with constant reference to one another, both in their structure and in their mode of action. Stress is therefore laid on the essential facts of comparative morphology and physiology (general biology) as illustrated by the thorough study of a few types, rather than on the minutiae of classification. At the same time the work is arranged with reference to subsequent special work in zoology, botany, and physiology.

In the first semester the student examines a number of animals and plants, so arranged as to form a natural progressive introduction to the general principles of biology. The student makes a detailed examination of unicellular organisms, and from these proceeds gradually to the complex conditions of structure and function found in higher plants and animals. In the second semester attention is given mainly to the biology of the higher animals. The course ends with a study of the embryology of the frog and, in greater detail, that of the chick.

## SECOND YEAR.

*1st Semester.*

*(Given in each year.)*

General Physiology, Dr. Moore.

*Three hours a week.*

Laboratory Work, Dr. Moore and Miss Pinney.

*Six hours a week.*

The instruction in general physiology consists of a systematic course of lectures upon the properties of living matter supplemented by experiments in the laboratory, frequent oral or written quizzes and recitations.

In the laboratory the student becomes acquainted with the reactions of simple protoplasm and methods of analysis of such reactions, and performs a number of fundamental physiological experiments using vertebrates and invertebrates as material. The aim of the laboratory work is to develop the power of accurate observation and description, having in view the solution of problems rather than merely checking preconceived notions.

To this end all experiments are carefully written up and handed in with the graphic record, if any, for criticism, after which they are returned for correction. Any serious errors are discussed personally with the student. Matriculation physics and chemistry are strongly recommended as preparation for this course.

*2nd Semester.*

General Zoology, Dr. Tennent and Dr. Moore.

*Three hours a week.*

The course in general zoology extends the work of the first year so as to include a survey of the phenomena of animal life, the first nine weeks being devoted to a consideration of the morphology of the invertebrates and the remainder of the semester to a study of the physiology of type forms. Part of the course is devoted to a critical analysis of the theory of evolution and discussions of the broader philosophical problems of biology such as heredity, variation, adaptation, and kindred topics. These lectures vary somewhat from year to year, and are intended to be suggestive rather than exhaustive in character. The class meets three hours a week for two weeks.

Laboratory Work, Dr. Tennent, Dr. Moore, and Miss Pinney.

*Six hours a week.*

*Group: Biology with Psychology, or with Mathematics, or with Physics, or with Chemistry, or with Geology.*

## FREE ELECTIVE COURSE.

**Free  
Elective  
Course.**

Theoretical Biology, Dr. Tennent.

*One hour a week throughout the year.**(Given in each year.)*

This is a historical course dealing with the development of the theories of biology. The course is open to students who have had one year's training in science. A considerable amount of assigned reading is required.

## POST-MAJOR COURSES.

**Post-  
Major  
Courses.**

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Protoplasm, the Cell, and Cytological Technique, Dr. Tennent.

*One hour a week during the first semester.**(Given in 1913-14 and again in 1915-16.)*

This course consists of a study of the structure of protoplasm, the structure of the cell, the phenomena of cell division, maturation and fertilisation. Both plant and animal cells will be studied, and instruction will be given in methods of preparing cytological material for microscopical examination. This course is to be taken as a two hour course with four hours laboratory.

Experimental Morphology, Dr. Tennent.

*One hour a week during the second semester.**(Given in 1913-14 and again in 1915-16.)*

The object of this course is to give a general historical view of experimental morphology of both plants and animals, to discuss some of the methods employed, to point out the results already obtained, and to indicate the nature of the work now being done in the subject. The topics discussed are: regeneration in Protozoa and Metazoa, behaviour of lower organisms, experiments on the fertilised and unfertilised egg, Mendel's experiments in hybridisation, and De Vries Oenothera mutants. This course is to be taken with four hours laboratory as a two hour course.

**Embryology of Vertebrates, Dr. Tennent.***One hour a week throughout the year.**(Given in 1914-15 and again in 1916-17.)*

This course consists of lectures, assigned reading, and laboratory work on the embryology of vertebrates. The lectures deal with the development of specific forms and with theoretical questions of embryological interest. The department has material for the study of the development of *Amphioxus*, *Ascidian*, *Amia*, *Lepidosteus*, *Squalus*, *Ctenolabrus*, *Necturus*, *Rana*, *Chrysemys*, *Chick*, and *Pig*. At least five hours of laboratory work will be required.

The course is divided as follows: First semester, Early stages of development. Second semester, Organogeny.

**Physiological Chemistry, Dr. Moore.***Two hours a week throughout the year.**(Given in each year.)*

This course consists of lectures, recitations, assigned reading and laboratory work. Occasionally a member of the class is asked to report on an article from the literature of the subject. At least four hours a week of laboratory work are required. The laboratory work includes a study of the properties and reactions of proteins; fats and carbohydrates; of the digestive actions of the enzymes of the salivary, gastric, pancreatic and intestinal secretions and the bile; and of the milk, blood, and urine. A preliminary training in chemistry at least equivalent to that obtained in the minor course is required.

**The Special Senses, Dr. Moore.***One hour a week throughout the year.**(Given in 1913-14.)*

This course of lectures, recitations, assigned reading and laboratory work deals with the more important facts and theories regarding the action of the organs of special sense.

**Comparative Physiology of the Central Nervous System, Dr. Moore.***One hour a week throughout the year**(Given in 1914-15 and again in 1916-17.)*

The function of the nervous system in invertebrates with reference to instincts and tropisms.

Lectures, experiments and reports on recent published work are required. The laboratory work and reading together amount to one and a half hours a week.

**Recent Advances in Biochemistry, Dr. Moore.***One hour a week throughout the year.**(Given in 1915-16 and again in 1917-18.)*

This course consists of lectures and reports on assigned reading dealing with the biochemistry of enzymes, secretion, fertilization, and development. The laboratory work and required reading together amount to one and a half hours a week.

**Laboratory Work, Dr. Tennent and Dr. Moore.**

It is desirable that as much laboratory work as possible should be done in connection with the courses offered above. The object of the laboratory work is to give the student experience in the use of apparatus and in adapting it to research. Some special problem is assigned to each student; at the end of the year the results of the work are presented in writing.



## GRADUATE COURSES.

**Graduate Courses.**

Six hours a week of seminary work and graduate lectures are offered each year to graduate students of biology accompanied by the direction of private reading, laboratory work and original research. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to six hours a week may be elected by graduate students. The advanced courses are varied from year to year, so as to form a consecutive course for students that wish to make biology one of the chief subjects of the examination for the degree of Doctor of Philosophy. Such students may specialise either in animal morphology under the guidance of Dr. Tennent, or in animal physiology under the guidance of Dr. Moore.

Seminary in Zoology, Dr. Tennent.

*Three hours a week throughout the year.*

*(Given in each year.)*

In 1913-14 Genetics is the subject of the seminary. The work includes a discussion of biometrical methods and results; of investigations on "pure lines"; of the effectiveness of selection; of the relation between chromosomes and heredity; of various theories of heredity and of the application of these ideas in animal and plant breeding.

In 1914-15 the subject of the seminary will be Cytology. The work will deal with the anatomy of the cell and the relations and functions of its various structures in unicellular and multicellular organisms.

Special attention will be given to the phenomena of spermatogenesis and oögenesis and the theories connected therewith.

In 1915-16 the subject of the seminary will be the Embryology of Invertebrates. The work will include a systematic survey of the normal development of invertebrates; of the problems of germinal organization, cleavage and differentiation, and a discussion of the bearing of these questions on evolution and inheritance.

Seminary in Physiology, Dr. Moore.

*Two hours a week throughout the year.*

*(Given in each year.)*

In 1914-15 the subject of the seminary will be Internal Secretions. The work consists of reports by the students, and discussion of recent problems in the subject.

In 1915-16 selected problems dealing with the gastro-intestinal tract will be treated by similar methods.

The order of subjects may be varied to meet the needs of the students.

Biological Journal Club, Dr. Tennent and Dr. Moore.

The advanced students and the instructors meet for the presentation and discussion of topics of current biological literature.

Laboratory Work, Dr. Tennent and Dr. Moore.

There is no regular course of laboratory instruction for graduates. Each student desiring to devote a considerable portion of her time to such work is given an experimental problem for verification or extension. The nature of the work depends in each case on the qualifications of the student.

## Department of Health and Hygiene.

The health of the students is under the care of a Health Committee consisting of the President of the College, the Dean of the College, the Director of Athletics and Gymnastics, and the Physicians of the College.

Every undergraduate student and hearer must be examined each year by the Assistant Physician of the College, and twice each year by the Director of Athletics and Gymnastics with reference to physical development, strength of heart and lungs, and general health. The eyes of students are examined by the Examining Oculist of the College during the first semester after entering the college and again during the first semester of the junior year. Students who cannot furnish evidence of successful vaccination within a period of two years are vaccinated by the college physicians.

Eminent specialists practising in Philadelphia whose names may be found in the list of academic appointments have consented to serve as consulting physicians of the college. The Assistant Physician will be in her college office during the hours from four to six of every afternoon except Sunday and may be consulted by the students without charge.

All students who are not under the special care of the attending physicians on account of illness are under the immediate care of the Director of Athletics and Gymnastics. She receives the reports of students on the special supervision list, keeps careful records of the health of all students and endeavors by lectures, interviews, personal advice, exercise, and general hygiene to maintain and improve the health of the students. A course of six lectures on personal and community hygiene is given each year which freshmen are required to attend.

The infirmary fee of \$10.00 paid by every resident student entitles her to be cared for in the infirmary for five days (not necessarily consecutive) during the year without paying extra fees for nurses or for attendance by the college physicians, and also to the services of the nurses employed by the college during other temporary illness, provided one of the regular nurses is free at the time. In the case of an illness of more than five days' duration and also of all diseases of an infectious character the student must meet, or in case of two or more students with the

same infectious disease share, the expense of a special nurse, the infirmary fees, and also hospital or sanitarium charges for board and residence should she be removed from the college by order of the Physician in Chief. During the five days specified above the attendance fees of the college physicians are paid by the college. All further fees must be paid by the student.

A special nurse for one student costs \$5.30 per day (nurse's fee \$4.00, board \$1.00, laundry .30) or \$34.10 per week (nurse's fee \$25.00 per week, board \$7.00, laundry \$2.10). In the case of infectious diseases the special nurse costs \$6.30 a day (nurse's fee \$5.00 per day) or \$39.10 per week (nurse's fee \$30 per week). The infirmary fee is \$3.00 per day. It is often possible for two or three students to be nursed by one extra nurse at the same time, thus reducing the fee for nursing. When a student has not an infectious disease the infirmary fee of \$3.00 per day will include the nurse's fee provided it is possible for one of the college nurses to care for the student. The attendance fees of the college physician are \$2.00 per visit. The fees of the consulting physicians and surgeons and other specialists recommended by the college will be furnished on request.

All communications concerning the health of the students from parents and guardians, outside physicians, and others should be addressed to the Dean of the College, who will also excuse students for absence on account of illness before and after vacations and from attendance on academic work.

### Athletics and Gymnastics.

The exercise of the students is under the care of Miss Constance M. K. Applebee, Director of Athletics and Gymnastics, and Miss Elizabeth L. Gray, Assistant Director of Athletics and Gymnastics.

The gymnasium (see page 189) is open for the use of students from 7 A.M. to 10 P.M. daily. Four periods of exercise a week are required of all resident and non-resident undergraduate students and hearers throughout the year. From December first till April first attendance twice a week in the gymnasium is compulsory for all resident and non-resident undergraduate students and hearers. Students may take part during the year in the following forms of exercise which are organised by the Athletic Association under the supervision of the Director: in the autumn, tennis and hockey; in the winter, water polo, swimming meet, fencing, and indoor track athletics; in the



spring, basketball, track, and tennis. All students are required to take six lessons in swimming each semester until able to satisfy the required test. No undergraduate student will be excused from the required exercise except by order of the Director of Athletics and Gymnastics. Special exercises are prescribed for students needing individual corrective work, and these are taken in addition to the regular class work. Every student while exercising in the gymnasium must wear a gymnasium suit of the pattern prescribed by the Director.

### **Opportunities for Public Worship.**

In the vicinity of the college there are churches of almost all the various religious denominations. Coaches are provided by the college on Sundays to enable students to attend the churches in the neighborhood.

Religious services are held in the college every Sunday evening by prominent clergymen of different denominations. A vesper service is held every Sunday afternoon and there is daily morning chapel. Attendance on all the religious exercises of the college is voluntary.

### **COLLEGE BUILDINGS.**

The college buildings are situated at Bryn Mawr, in the suburbs of Philadelphia, five miles west of the city, on the main line of the Pennsylvania Railroad. The site of the college is four hundred and twenty feet above sea level in the midst of a beautiful rolling country made accessible by good roads in every direction. The college grounds cover fifty-two acres, and include lawns, tennis-courts, and two large athletic fields, one of which is converted in winter into a skating-pond.

Taylor Hall (named after the founder), a large building of Port Deposit stone, contains a general assembly room, eleven lecture-rooms, and the offices of administration.

The library, the gift of the friends, graduates, and students of the college, begun in April, 1903, was completed in February, 1907. It is built of gray stone in the Jacobean Gothic style of architecture of the period of 1630 and forms three sides of a closed quadrangle. The main building, devoted to the library proper, faces east and is opposite and parallel to Taylor Hall at a distance of about fifty yards; the principal entrances of the two



buildings face each other and are connected by a broad cement path. The east front is one hundred and seventy-four feet long and contains a three-story stack with accommodation for 88,000 volumes, and above this a large reading-room with desks for one hundred and thirty-six readers, each desk screened to a height of two feet as in the British Museum reading-room to secure privacy to the reader. No books of reference are kept in the main reading-room. Beyond the reading-room on the south side are the newspaper and magazine rooms. On the north side are the Art and Archæological Seminaries, containing collections of photographs, vases, and coins. The main building contains the Stack, the New Book Room, Reference Book Room, the Carola Woerishoffer Memorial Room, the Reserved Books Room, the Christian Association Library, one professor's office, and four cloak rooms. The wings of the building, running symmetrically about two hundred feet in length from the north and south ends of the main building, contain twelve seminary rooms and twenty-seven professors' offices. The books needed for graduate study and research are kept in the seminary rooms and graduate lectures are held in them. The seminaries are arranged as follows: Greek, Latin, English, Art, Archæology, German, French, Italian and Spanish, Semitic Languages, and Philosophy in the north wing; Mathematics, History, Economics and Psychology in the south wing, where are also offices for the librarians and cataloguers. The total book capacity of the library, including the seminary libraries and the books for general study which are kept in the stack, is 168,449 volumes. The building is absolutely fireproof. Professors' offices for the senior professors in each department adjoin the seminary rooms. There are also two seminary lecture-rooms accommodating about fifteen students, one general lecture-room accommodating forty-two students, and three interview rooms.

On the first floor of the south wing the department of experimental psychology has two large laboratories, one for general work and one for research. The basement of the north wing contains rooms for the Monograph Committee of the Faculty, the Alumnæ Association, and fireproof safe rooms for the records and archives of the college. The quadrangular court enclosed

by the building is surrounded by cloisters and in the centre of the grass enclosure is a fountain, the gift of the class of 1901.

The library is open for students on week-days from 8 A.M. till 10 P.M. and on Sundays from 2 P.M. till 10 P.M. It is open for the faculty at all hours.

In January, 1893, the scientific departments of the college were transferred to Dalton Hall, a stone building erected by the trustees out of funds in large part contributed by the generosity of friends of the college. Dalton Hall is entirely occupied by the scientific departments, the special scientific libraries, and the consultation-rooms of the professors of science. The first floor and the basement are reserved for physics, the second floor is reserved for biology, the third floor for chemistry, and the fourth and fifth floors for geology. In December, 1893, a greenhouse designed for the use of the botanical department was added to Dalton Hall as the gift of the *alumnæ* and students.

Around Taylor Hall the trustees have erected halls of residence for the accommodation of students. Plans and descriptions of the six halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall East, Pembroke Hall West, and Rockefeller Hall, the gift of Mr. John D. Rockefeller, and of the academic buildings, Taylor Hall, the Library, and Dalton Hall, are published in Part 4 of the Bryn Mawr College Calendar to be obtained from the Secretary of the College.

Music-rooms with sound-proof walls and ceilings are provided in Pembroke Hall East, and rooms where the students can have hairdressing and dressmaking done, and a club and luncheon-room for non-resident students in Rockefeller Hall.

The new gymnasium, erected on the site of the first gymnasium and the gift of the Athletic Association, the *alumnæ* and thirteen neighbors of the college, was completed in February, 1909. It is open to the students from 8 A.M. till 10 P.M., daily, contains a large hall for gymnastic exercises, with a running or walking track for use in rainy weather; a room for the director and an adjoining room for the examination and record of the physical development of the students, a waiting-room, and cloak rooms. In the basement are dressing-rooms and shower-baths for use after exercise and a swimming-tank, seventy feet

long, twenty feet wide, and from four to seven and a half feet deep, given in 1894 by the alumnae, students, and friends of the college, and well supplied with spring boards, life preservers, and other apparatus for the teaching of swimming. The gymnasium is under the charge of a director and two assistants.

On the grounds, separated from other buildings, is the Class of 1905 infirmary opened in October, 1913, with accommodation for patients and nurses, doctors' offices and consultation rooms, diet kitchens, bathrooms, wards and private rooms, sun parlour, sun terrace, and two isolation wards.

The Phebe Anna Thorne out-of-door Model School is situated on the campus and has its own out-of-door class room and athletic ground.

A central power-house, which was erected in 1902 as part of the gift of Mr. John D. Rockefeller, furnishes heat, electric light, and hot water for all the college buildings. Steam is conducted through tunnels underground to coils in the basement of each building. Air brought in from the outside is blown through the heaters by powerful fans and distributed to the various rooms, and the system is so adjusted as to change the air completely in every room once in every ten minutes throughout the day and night. The temperature is regulated by thermostats in the heating coils as well as in the individual rooms. The electric lights, including electric reading-lamps for each student, are installed in the most approved manner and the voltage is kept constant so that there is no fluctuation. A constant and abundant supply of hot water is laid on and maintained at a temperature of 180 degrees during all the twenty-four hours of the day, in all the bathrooms and stationary wash-stands and tea pantries.

The Bell Telephone Company, a branch of the American Telephone and Telegraph Company, maintains telephone pay stations in each of the halls of residence, in the library, and in the gymnasium, by means of which the students may be communicated with at any time. Near the college are a Postal Telegraph-Cable Company office (service 6 A.M. to 12 P.M.), an Adams Express office, a United States money-order office, and two banks. There are good roads in every direction. Horses for riding and driving may be kept at livery near the college at a cost of twenty-five dollars a month.



## LIST OF DISSERTATIONS

PUBLISHED BY STUDENTS WHO HAVE OBTAINED THE DEGREE OF DOCTOR  
OF PHILOSOPHY FROM BRYN MAWR COLLEGE.

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BARTLETT, HELEN. The Metrical Division of the Paris Psalter.  
49+[1] p., O. Baltimore, The Friedenwald Company. 1896.

BLISS, ELEANORA FRANCES AND ANNA I. JONAS. Relation of the Wissahickon Mica-gneiss to the Shenandoah Limestone and to the Octoraro Mica-schist, of the Doe Run-Avondale District, Coatesville, Quadrangle, Pennsylvania. 64 p., O. February, 1914.

BORING, ALICE MIDDLETON. A Study of the Spermatogenesis of Twenty-two Species of the Membracidae, Jassidae, Cercopidae and Fulgoridae. p. 470-512, O. 9 pl. Baltimore, 1907.

Reprint from *Journal of Experimental Zoology*, vol. 4, No. 4.

BOURLAND, CAROLINE BROWN. Boccaccio and the Decameron in Castilian and Catalan Literature. 233 p., O. 5 pl. New York, Paris, Macon, Protat Frères, 1905.

Reprint from *Revue Hispanique*, t. xii.

BOWERMAN, HELEN COX. Roman Sacrificial Altars. An archæological Study of Monuments in Rome. 101 p., O. 11 pl, Lancaster, Pa., The New Era Printing Co., 1913.

BREED, MARY BIDWELL. The Polybasic Acids of Mesitylene. 31+[1] p., O. Baltimore, The Friedenwald Company. 1901.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 1.

BUNTING, MARTHA. The Origin of the Sex Cells in Hydractinia and Podocoryne and the Development of Hydractinia. 34 p., O. Boston, Ginn and Company. 1894.

Revised reprint from *Journal of Morphology*, vol. 9, No. 2.

BYRNES, ESTHER FUSSELL. The Maturation and Fertilisation of the Egg of *Limax Agrestis* (Linné). p. 201-236+[1] p., O. Boston, Ginn and Company, publishers. The Athenæum Press. 1899.

Reprint from *Journal of Morphology*, vol. 16, No. 1.

CLAFLIN, EDITH FRANCES. The Syntax of the Boeotian Dialect Inscriptions. 93 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press, 1905.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 3.



COULTER, CORNELIA CATLIN. *Retractatio in the Ambrosian and Palatine Recensions of Plautus. A study of the Persa, Poenulus, Pseudolus, Stichus, and Trinummus.* 118 p., O. Bryn Mawr, Pennsylvania, 1911.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. x.

DUDLEY, LOUISE. *The Egyptian Elements in the Legend of the Body and Soul.* 179+[xi] p., O. Baltimore, printed by J. H. Furst Co. 1911.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. viii.

ELLIS, ELLEN DEBORAH. *Introduction to the History of Sugar as a Commodity.* 117 p., O. Philadelphia, The John C. Winston Co. 1905.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 4.

EMERY,\* ANNIE CROSBY. *The Historical Present in Early Latin.* 120+[3] p., O. Ellsworth, Maine, Hancock Publishing Company. 1897.

EVERS, HELEN MARGARET. *Critical edition of the discours de la vie de Pierre de Ronsard, par Claude Binet.* iv+190 p., O. Philadelphia, The John C. Winston Co. 1905.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 2.

FOSTER, FRANCES ALLEN. *A study of the Middle-English poem known as The Northern Passion.* vi+101 p., O. Richard Clay & Sons, Ltd. London and Bungay. 1914.

Reprint from *The Northern Passion*, vol. II. *Early English Text Society, Original Series*, 147, 1914 (for 1913).

FRANKLIN, SUSAN BRALEY. *Traces of Epic Influence in the Tragedies of Æschylus.* 81 p., O. Baltimore, The Friedenwald Company. 1895.

GENTRY, RUTH. *On the Forms of Plane Quartic Curves.* [7]+73 p., O. 13 pl. New York, Robert Drummond. 1896.

GRAHAM, MINNIE ALMIRA. *A Study of the Change from Violet to Green in Solutions of Chromium Sulphate.* 50 p., O. pl. 3. Easton, Pennsylvania, printed by the Eschenbach Printing Company, 1912.

HALL, EDITH HAYWARD. *The Decorative Art of Crete in the Bronze Age.* 47 p., 3 pl. Philadelphia, The John C. Winston Co. 1907.

Reprint in part from *Transactions of the Department of Archaeology of the University of Pennsylvania*, vol. 2, part 1. 1906.

HARPER, CARRIE ANNA. *The Sources of the British Chronicle History in Spenser's Faerie Queene.* p. 190, O. Philadelphia, The John C. Winston Co. 1910.

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\* Mrs. Francis Greenleaf Allinson.

HUSSEY, MARY INDA. Some Sumerian-Babylonian Hymns of the Berlin Collection. p. 142-176, O.

Reprint from *American Journal of Semitic Languages*, vol. 23, No. 2. January, 1907.

JONAS, ANNA I. AND ELEANORA F. BLISS. Relation of the Wissahickon Mica-gneiss to the Shenandoah Limestone and to the Octoraro Mica-schist, of the Doe Run-Avondale District, Coatesville, Quadrangle, Pennsylvania. 64 p., O. February, 1914.

KING, HELEN DEAN. The Maturation and Fertilisation of the Egg of *Bufo Lentiginosus*. p. 293-350, O. Boston, Ginn and Company, publishers. The Athenæum Press. 1901.

Reprint from *Journal of Morphology*, vol. 17, No. 2.

LAIRD, ELIZABETH REBECCA. The Absorption Spectrum of Chlorine. p. 85-115, O.

Reprint from *Astrophysical Journal*, vol. 14, No. 2. September, 1901.

LEFTWICH, \* FLORENCE. *La Vie Seint Edmund le Rei*. An Anglo-Norman Poem of the Twelfth Century by Denis Piramus. p. 1-174, O. Philadelphia, The John C. Winston Co. 1906.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. v.

LORD, ELEANOR LOUISA. The American Colonies as a Source of Naval Supplies for Great Britain. Published as Industrial experiments in the British colonies of North America. 10+154 p., O.

*Johns Hopkins University Studies*, Extra volume, 17. Baltimore, 1898.

LOWATER, FRANCES. The Spectra of Sulphur Dioxide. p. 324-342, O.

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LYON, † DOROTHY WILBERFORCE. *Christe qui lux es et dies* and its German, Dutch, and English Translations. p. 70-85 and p. 152-192.

*American Journal of Philology*, vol. 19. 1898.

MACDONALD, MARGARET BAXTER. A New Class of Disulphones. p. 1-21, O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1901.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 2.

MADDISON, ISABEL. On Singular Solutions of Differential Equations of the First Order in Two Variables and the Geometrical Properties of Certain Invariants and Covariants of their Complete Primitives. p. 311-374, O.

Reprint from *Quarterly Journal of Mathematics*, vol. 28. 1896.

MARTIN, EMILIE NORTON. On the Imprimitive Substitution Groups of Degree Fifteen and the Primitive Substitution Groups of Degree Eighteen. 28 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1901.

Reprint from *American Journal of Mathematics*, vol. 23, No. 3.

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\* Mrs. S. Prioleau Ravenel.

† Mrs. Emmons Bryant.

- NEILSON, NELLIE. *Economic Conditions on the Manors of Ramsay Abbey.* 124 p., O. Philadelphia, printed by the press of Sherman and Company. 1899.
- NICHOLS, HELEN HAWLEY. *The composition of the Elihu Speeches, Job Chaps. XXXII-XXXVII.* 95 p., O. 1911.  
Reprint from *American Journal of Semitic Languages and Literature*, vol. 28, No. 2. January, 1911.
- OGDEN, ELLEN SETON. *The origin of the Gunu-Signs in Babylonian.* 144 p., O. Leipzig, printed by W. Drugulin. 1911.
- PARRIS,\* MARION. *Total Utility and the Economic Judgment Compared with their Ethical Counterparts.* 103 p., O. Philadelphia, The John C. Winston Co. 1909.
- PEEBLES, FLORENCE. *Experiments in Regeneration and in Grafting of Hydrozoa.* 53+[1] p., O. Leipzig, Wilhelm Engelmann. 1900.
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- PERKINS,† ELIZABETH MARY. *The Expression of Customary Action or State in Early Latin.* 77 p., O. Washington, D. C. Printed by Judd and Detweiler. 1904.
- RAGSDALE, VIRGINIA. *On the Arrangement of the Real Branches of Plane Algebraic Curves.* 28 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1906.  
Reprint from *American Journal of Mathematics*, vol. 28, No. 4.
- RAND, GERTRUDE. *The factors that influence the sensitivity of the Retina to color: A quantitative study and methods of standardizing.* 166+xi p., O. Princeton, N. J. 1913.  
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- REIMER, MARIE. *The Addition Reactions of Sulphinic Acids.* 31 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1902.  
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- REYNOLDS, GRACE POTTER.‡ *The Reaction between Organic Magnesium Compounds and Unsaturated Compounds containing Alkoxy Groups.* 29 p., O. Easton, Pa., Eschenbach Printing Co. 1910.
- RITCHIE,§ MARY HELEN. *A Study of Conditional and Temporal Clauses in Pliny the Younger.* 57+[1] p., O. Philadelphia, Avil Printing Company. 1902.

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\* Mrs. William Roy Smith.

† Mrs. Winthrop Merton Rice.

‡ Mrs. Eric C. W. S. Lyders.

§ Died, 1905.

- SANDISON, HELEN ESTABROOK. The "Chanson d'Aventure" in Middle English. 152 p., O. Baltimore, J. H. Furst Company. 1913.  
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xii.
- SCHAEFFER,\* HELEN ELIZABETH. A Study of the Electric Spark in a Magnetic Field. p. 121-149, 1 pl. O. 1908.  
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- SCHENCK, EUNICE MORGAN. La part de Charles Nodier dans la formation des idées romantiques de Victor Hugo jusqu'à la *Préface de Cromwell*. 144 p., O. Bryn Mawr, Pa. 1914.  
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xvi.
- SCHMIDT, GERTRUD CHARLOTTE. Das Deminutivum im Mittelnieder-deutschen und Mittelniederländischen. 157+[ix] p., O. Bornaleipzig. Printed by Robert Noske, 1912.
- SPALDING, MARY CAROLINE. Middle English Charters of Christ. cxxiv+100 p., O. Bryn Mawr, Pa. 1914.  
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xv.
- STEVENS,† NETTIE MARIA. Further Studies on the Ciliate Infusoria, Licnophora and Boveria. 45 p. 6 pl., O. 1903.  
Reprint from *Archiv für Protistenkunde*, Bd. iii.
- STITES, SARA HENRY. Economics of the Iroquois. 159+vii p., O. Lancaster, Pa., The New Era Printing Co. 1905.  
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 3.
- SWEET, MARGUERITE. The Third Class of Weak Verbs in Primitive Teutonic with special reference to its Development in Anglo-Saxon. 49+[1] p., O. Baltimore, The Friedenwald Company. 1893.
- SWINDLER, MARY HAMILTON. Cretan Elements in the Cult and Ritual of Apollo. 77 p., O. Bryn Mawr, Pa. 1913.  
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. viii.
- TAYLOR, LILY ROSS. The Cults of Ostia. 100 p., O. Bryn Mawr, Pa. 1913.  
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- TRAYER, HOPE. The Four Daughters of God. A Study of the Versions of this Allegory, with especial reference to those in Latin, French, and English. 171 p., O. Philadelphia, The John C. Winston Co. 1907.  
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. vi.
- URDAHL,‡ MARGERETHE. On certain u-Diphthongs in the Heliand. 40 p., O. Göttingen, printed in the University Press by E. A. Huth. 1904.

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\* Mrs. William Bashford Huff. Died, 1913. † Died, 1912.

‡ Mrs. Lewis Albert Anderson.



WARREN,\* WINIFRED. A Study of Conjunctional Temporal Clauses in Thukydides. 76+[3] p., O. Berlin, printed by Unger Brothers. 1897.

WILLIS, GWENDOLEN BROWN. The Ancient Gods in Greek Romance. 54 p., O. Chicago, University of Chicago Press. 1905.

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\* Mrs. George Arthur Wilson.



# SCHEDULE OF LECTURES

| HOUR | COURSE        | MONDAY  | TUESDAY  |
|------|---------------|---|--|
| 9    | MATRICULATION | Greek (Kirk)<br>German (Jeffers)  | Greek (Kirk)<br>German (Jeffers)   |
|      | GENERAL       | Philosophy, Div. A (Fisher)<br>Div. B (Wilm)  | Psychology (Wilm)  |
|      | MINOR         | Greek, Plato (Sanders)<br>French Reading (Schenck)<br>Greek and Roman Architecture (Carpenter)  | Greek, Homer (Wright)<br>French Essayists<br>The Roman World (Carpenter)   |
|      | MAJOR         | Mathematics, Conics (Scott)<br>Chemistry (Brunel)   | Mathematics, Trigonometry (Scott)<br>Chemistry Laboratory (Brunel)   |
|      |               | German Literature (Jessen)  | German, Faust (Jessen)   |
|      |               | Comparative Literature, The Pastoral (Hatcher)<br>Modern History, The Renaissance (Haring)<br>Ancient History, Fifth Century Athens (Ferguson)<br>Psychology, Applied Psychology (Kellogg)          | Modern History, British Imperial (W. R. Smith)<br>Ancient History, Historians of Rome (Ferguson)<br>Psychology, Educational Psychology (Gordon)  |
|      | ELECTIVE      | Biology, Theoretical (Tennent)  | Physics, Physical Basis of Music (H)   |
|      | POST-MAJOR    | Inorganic Chemistry (Getman)  |  |
| 10   | GRADUATE      | Physics (Huff)<br>Geology (T. C. Brown)   | Geology (Bascom)   |
|      | GENERAL       | English Lit., 2nd yr. (Donnelly)  | Eng. Comp., 2nd yr.  |
|      | MINOR         | English, 19th Century Critics (Chew)<br>German Grammar (Lasch)<br>Spanish (DeHaan)<br>Comparative Literature, Elizabethan Lyrics (Hatcher)<br>History since 1799, Div. A (Haring)<br>Div. B (Jones) | Poetry from 1865 to 1914 (Chew)<br>German Literature (Jessen)<br>Spanish (DeHaan)  |
|      | MAJOR         | Biology (Tennent)   | History of the Reformation (W. Smith)<br>Medieval History (Jones)<br>Biology Laboratory (Tennent)  |
|      |               | Philosophy, Plato and Aristotle (Fisher)<br>History of Art, 17th and 18th Century Painting (G. G. King)<br>Geology (T. C. Brown)  | German Idealism (Wilm)<br>History of Art, Renaissance Sculpture (G. G. King)<br>Geology (T. C. Brown)  |
|      | ELECTIVE      |   | Mathematics Preparatory to Science   |
| 11   | POST-MAJOR    | Physics (Howell)<br>Chemistry (Brunel)  | Physical Chemistry (Getman)  |
|      | GENERAL       | English Lit., 1st yr. (Donnelly)  | Eng. Comp., 1st yr.  |
|      | MINOR         | Ancient History, Oriental (Barton)<br>Economics, Introd. to Economics, Div. A (M. P. Smith)<br>Div. B (Dewey)<br>Philosophy, Modern Philosophical Classics (Wilm)<br>Physics (Huff)                 | Ancient History, Classical (Ferguson)<br>Politics, Problems in Sociology (Dewey)<br>Philosophy, Philosophical Problems (Fisher)<br>Greek Vase Painting (Swindler)<br>Physics Laboratory (Huff) |
|      | MAJOR         | Latin, Tacitus (Wheeler)<br>English Drama (Chew)<br>Spanish Reading (DeHaan)<br>Mathematics (Conner)<br>Chemistry (Getman)  | Latin Literature (Frank)<br>Italian (Holbrook)<br>Middle English Romances (C. F. Brown)<br>Spanish Literature (DeHaan)<br>Mathematics (Conner)<br>Chemistry (Getman)                           |
|      | ELECTIVE      |   |  |
|      | POST-MAJOR    | Petrography (Bascom)  |  |
| 12   | GRADUATE      | Systematic Psychology (Ferree)  |  |
|      | MATRICULATION | French (Schenck)  | French (Schenck)   |
|      | MINOR         | Latin, Cicero, Div. A (Wheeler)<br>Div. B (Ferguson)<br>Div. C (Swindler)   | Latin, Horace, Div. A (Frank)<br>Div. B (Swindler)<br>Div. C (Ferguson)  |
|      | MAJOR         | Italian (Holbrook)<br>Psychology, Experimental (Ferree and Rand)<br>Italian Renaissance Painting (G. G. King)<br>Geology (Bascom)   | English, Anglo-Saxon (C. F. Brown)<br>Italian (Holbrook)<br>Psychology of Instinct, Emotion and Will (Kellogg)<br>Gothic Architecture (G. G. King)<br>Geology Laboratory (Bascom)              |
|      |               | Greek, Demosthenes (Sanders)<br>French Literature<br>History, French Revolution (Jones)   | Greek Literature (Wright)<br>French Romantic Drama<br>History, United States from 1865 (W. Smith)  |
|      | ELECTIVE      | Economics and Politics, History of Economic Thought (M. P. Smith)<br>Physics (Howell)<br>Biology (Moore)  | Economics and Politics, Social Politics<br>Industrial History (Dewey)<br>Physics (Howell)<br>Biology (Moore)   |
| 12   | GRADUATE      | Chemistry (Brunel)  | Chemistry (Brunel)   |

# FIRST SEMESTER, 1914-15.

| WEDNESDAY  | THURSDAY  | FRIDAY   |
|--|---|--|
| <p>Greek (Kirk)<br/>German (Jeffers)</p> <p>Philosophy, Div. A (Fisher)<br/>Div. B (Wilm)</p> <p>Greek, Plato (Sanders)<br/>French Reading (Schenck)<br/>Greek and Roman Architecture (Carpenter)<br/>Mathematics, Conics (Scott)<br/>Chemistry (Brunel)</p> <p>German Composition and Reading (Lasch)<br/>Comparative Literature, The Pastoral (Hatcher)<br/>Modern History, The Renaissance (Haring)<br/>Ancient History, Fifth Century Athens (Ferguson)<br/>Psychology, Applied Psychology (Kellogg)</p> <p>Geology, Geologic and Geographic Control (T. C. Brown)</p> <p>Biology, Physiological Chemistry (Moore)</p> <p>Physics (Huff)</p> | <p>Greek (Kirk)<br/>German (Jeffers)</p> <p>Psychology (Wilm)</p> <p>Greek, Homer (Wright)<br/>French Essayists<br/>The Roman World (Carpenter)</p> <p>Mathematics, Trigonometry (Scott)<br/>Chemistry, Demonstration and discussion (Brunel)<br/>German, Faust (Jessen)</p> <p>Modern History, British Imperialism (W. R. Smith)<br/>Ancient History, Roman Life (Frank)</p> <p>Psychology, Educational Psychology (Gordon)</p> <p>Geology, Meteorology (T. C. Brown)</p> <p>Physics, Journal Club (Huff and Howell)<br/>Biology, Journal Club (Tennent, Moore)</p>  | <p>Greek (Kirk)<br/>German (Jeffers)</p> <p>Philosophy, Div. A (Fisher)<br/>Div. B (Wilm)</p> <p>Greek, Sophocles (Sanders)<br/>French Composition (Schenck)<br/>Greek and Roman Architecture (Carpenter)<br/>Mathematics, Conics (Scott)<br/>Chemistry (Brunel)</p> <p>German Literature (Jessen)</p> <p>Comparative Literature, The Pastoral (Hatcher)<br/>Modern History, The Renaissance (Haring)<br/>Ancient History, Fifth Century Athens (Ferguson)<br/>Psychology, Applied Psychology (Kellogg)</p> <p>Old Testament Canon (Barton)<br/>Geology, Geologic and Geographic Control (T. C. Brown)</p> <p>Physics (Huff)</p> |
| <p>English Lit., 2nd yr. (Donnelly)</p> <p>English, 19th Century Critics (Chew)<br/>German (Lasch)<br/>Spanish (DeHaan)</p> <p>Comparative Literature, Elizabethan Lyrics (Hatcher)<br/>History since 1799, Div. A (Haring)<br/>Div. B (Jones)</p> <p>Biology (Tennent)</p> <p>Philosophy, Plato and Aristotle (Fisher)<br/>History of Art, 17th and 18th Century Painting (G. G. King)<br/>Geology (T. C. Brown)</p> <p>Elemental Theorems of Mathematics (Scott)</p> <p>Physics (Howell)</p>   | <p>Eng. Comp., 2nd yr.</p> <p>Poetry from 1865 to 1914 (Chew)<br/>German Literature (Jessen)<br/>Spanish (DeHaan)</p> <p>History of the Reformation (W. R. Smith)<br/>Medieval History (Jones)<br/>Biology, Demonstration and discussion (Tennent)<br/>German Idealism (Wilm)<br/>History of Art, Renaissance Sculpture (G. G. King)<br/>Geology Laboratory (T. C. Brown)</p> <p>Mathematics Preparatory to Science</p> <p>Physical Chemistry (Getman)</p>  | <p>English Lit., 2nd yr., Discussion, Sections A and B. Alternate Weeks (Donnelly)<br/>English, 19th Century Critics (Chew)<br/>German (Lasch)<br/>Spanish (DeHaan)</p> <p>Comparative Literature, Elizabethan Lyrics (Hatcher)<br/>History since 1799, Div. A (Haring)<br/>Div. B (Jones)</p> <p>Biology (Tennent)</p> <p>Philosophy, Plato and Aristotle (Fisher)<br/>History of Art, 17th and 18th Century Painting (G. G. King)<br/>Geology Laboratory (T. C. Brown)</p> <p>Physics (Howell)</p>   |
| <p>English Lit., 1st yr. (Donnelly)</p> <p>Ancient History, Oriental (Barton)<br/>Economics, Introduction to Div. A (M. P. Smith)<br/>Div. B (Dewey)</p> <p>Philosophy, Modern Philosophical Classics (Wilm)</p> <p>Physics (Huff)</p> <p>Latin, Tacitus (Wheeler)</p> <p>English Drama (Chew)</p> <p>Spanish Grammar (DeHaan)<br/>Mathematics (Conner)</p> <p>Chemistry (Getman)</p> <p>Petrography (Bascom)</p> <p>Systematic Psychology (Ferree)</p>  | <p>Eng. Comp., 1st yr.</p> <p>Ancient History, Classical (Ferguson)<br/>Politics, Problems in Sociology (Dewey)</p> <p>Philosophy, Philosophical Problems (Fisher)<br/>Greek Vase Painting (Swindler)<br/>Physics, Discussion (Huff)<br/>Latin Literature (Frank)<br/>Italian (Holbrook)<br/>Middle English Romances (C. F. Brown)</p> <p>Spanish Literature (De Haan)<br/>Mathematics (Conner)</p> <p>Chemistry Laboratory (Getman)</p>  | <p>English, 1st yr. (Donnelly)</p> <p>Ancient History, Oriental (Barton)<br/>Economics, Introduction to Div. A (M. P. Smith)<br/>Div. B (Dewey)</p> <p>Philosophy, Modern Philosophical Classics (Wilm)</p> <p>Physics (Huff)<br/>Latin, Tacitus (Wheeler)</p> <p>English Drama (Chew)</p> <p>Spanish Reading (DeHaan)<br/>Mathematics (Conner)</p> <p>Chemistry Laboratory (Getman)</p> <p>German Composition (Lasch)</p> <p>Petrography (Bascom)</p> <p>Systematic Psychology (Ferree)</p>   |
| <p>French (Schenck)</p> <p>Latin, Cicero, Div. A (Wheeler)<br/>Div. B (Ferguson)<br/>Div. C (Swindler)</p> <p>Italian (Holbrook)</p> <p>Psychology, Experimental (Ferree and Rand)</p> <p>Italian Renaissance Painting (G. G. King)</p> <p>Geology (Bascom)</p> <p>Greek, Aristophanes (Sanders)<br/>French Style and Composition<br/>History, French Revolution (Jones)</p> <p>Economics and Politics, History of Economic Thought (M. P. Smith)</p> <p>Physics (Howell)</p> <p>Biology (Moore)</p> <p>Forms of the Drama (Hatcher)</p> <p>Physical Chemistry (Getman)</p>  | <p>French (Schenck)</p> <p>Latin, Horace, Div. A (Frank)<br/>Div. B (Swindler)<br/>Div. C (Ferguson)</p> <p>English, Anglo-Saxon (C. F. Brown)<br/>Italian (Holbrook)</p> <p>Psychology of Instinct, Emotion and Will (Kellogg)</p> <p>Gothic Architecture (G. G. King)</p> <p>Geology, Demonstration and discussion (Bascom)<br/>Greek Literature (Wright)<br/>French Romantic Drama<br/>History, United States from 1865 (W. R. Smith)<br/>Economics and Politics, Social Politics<br/>Industrial History (Dewey)<br/>Physics Laboratory (Howell)<br/>Biology Laboratory (Moore)</p> <p>Descriptive Astronomy (Conner)</p> <p>Chemistry Journal Club (Brunel, Getman)</p> | <p>French (Schenck)</p> <p>Latin, Cicero, Div. A (Wheeler)<br/>Div. B (Ferguson)<br/>Div. C (Swindler)</p> <p>Italian (Holbrook)</p> <p>Psychology, Experimental (Ferree and Rand)</p> <p>Italian Renaissance Painting (G. G. King)</p> <p>Geology (Bascom)</p> <p>Greek, Demosthenes (Sanders)<br/>French Literature<br/>History, French Revolution (Jones)</p> <p>Economics and Politics, History of Economic Thought (M. P. Smith)<br/>Physics Laboratory (Howell)<br/>Biology Laboratory (Moore)</p> <p>Forms of the Drama (Hatcher)</p> <p>Physical Chemistry (Getman)</p>  |



# SCHEDULE OF LECTURES

| Hour | Course          | Monday  | Tuesday  |
|------|-----------------|---|--|
| 2    | LABORATORY WORK | Psychology, Minor (Ferree and Rand)<br>Physics, Minor (Huff)<br>Chemistry, Minor (Brunel)<br>Geology, Minor, Field Work (Bascom)<br>Biology, Minor (Tennent)  | Psychology, Minor (Ferree and Rand)<br>Physics, Minor (Huff)<br>Chemistry, Minor (Brunel)<br>Geology, Minor (Bascom)<br>Biology, Minor (Tennent)   |
|      | ELECTIVE        | New Testament Biography (Barton)  | New Testament Biography (Barton)   |
|      | POST-MAJOR      | Greek, Sophocles and Euripides (Sanders)<br>French, Modern French Drama<br><br>Politics, English Constitutional Problems<br>Economics and Politics, Statistics (Dewey)<br>Mathematics (Scott)   | Greek, Sophocles and Euripides (Sanders)<br>French, Modern French Drama<br>Spanish (DeHaan)<br><br>Politics, English Constitutional Problems<br>Economics and Politics, Statistics (Dewey)<br>Mathematics (Scott)  |
|      | GRADUATE        | Greek Seminary, Plato (Wright) 2-4<br>Beowulf (C. F. Brown) 2.30-4.30<br>Metaphysics Seminary, Theory of Values (Fisher) 2-4  | Old French Readings (Holbrook)   |
| 3    | LABORATORY WORK | Psychology, Minor (Ferree and Rand)<br>Physics, Minor (Huff)<br>Chemistry, Minor (Brunel)<br>Geology, Minor, Field Work (Bascom)<br>Biology, Minor (Tennent)  | Psychology, Minor (Ferree and Rand)<br>Physics, Minor (Huff)<br>Chemistry, Minor (Brunel)<br>Geology, Minor (Bascom)<br>Biology, Minor (Tennent)   |
|      | ELECTIVE        | Elocution, Reading of Prose (A. S. King)  | Elocution, Reading of Prose (A. S. King)<br>Advanced Experimental Psychology (Ferree)  |
|      | POST-MAJOR      | Latin, Vergil (Frank)<br>History, American Constitutional (W. R. Smith)   | Latin, Vergil (Frank)<br>History, American Constitutional (W. R. Smith)<br>Mathematics (Conner)  |
|      | GRADUATE        | Teutonic Seminary (Lasch) 3-5<br>Old Spanish, Readings (De Haan)<br>Elementary Semitic Languages (Barton)<br>Psychology Journal Club (Kellogg and Ferree)<br>Seminary in Modern Painting (G. G. King) 2-4   | Greek Seminary, Attic Tragedy (Barton) 3-4.30<br>Sem. in English Literature (Chew)<br>Old Norse (Lasch)<br>Seminary in French Literature 3<br>Spanish Seminary (DeHaan) 3-4<br>Comp. Semitic Grammar (Barton)  |
| 4    | GRADUATE        | Seminary, Roman Literature (Frank), 4-6<br>Seminary in Elizabethan Drama (Hatcher), 4.30-6<br><br>Old French Seminary (Holbrook), 4-6<br>Hebrew Literature (Barton)<br>History Journal Club (Haring, W. R. Smith, and Jones), 4-6. Alternate Weeks<br>Economics Journal Club (M. P. Smith, and Dewey), 4-6. Alternate Weeks<br><br>Psychology Seminary (Kellogg), 4-6<br>Mathematics (Conner), 4-6<br>Seminary in Zoology (Tennent), 4.30-6 | Greek Journal Club (Sanders), 4.30-6. Alternate Weeks<br>Latin Journal Club (Wheeler and Brown), 4.30-6. Alternate Weeks<br>Middle English Seminary (Brown), 4.30-6<br>German Journal Club (Jessen and Brown), 4.30-6. Alternate Weeks<br>Old French Philology, 1st yr. (Holbrook), 4.30-6<br>Seminary in European History (Brown), 4.30-6<br>Seminary in Politics, 4-6<br>Seminary in Philosophical Science (Wilm), 4.30-6<br>Mathematical Journal Club (Brown and Conner). Alternate Weeks |
| 5    | GRADUATE        | Introduction to Teutonic Philology (Lasch)  |  |

# **1ST SEMESTER, 1914-15 (continued).**

| WEDNESDAY   | THURSDAY   | FRIDAY  |
|---|--|---|
| <p>Study of Poetics (Langdon)</p> <p>Greek, Herodotus (Sanders)</p> <p>Latin, Composition (Frank)</p> <p>German, Reading (Jessen)</p> <p>French, Modern French Drama</p> <p>Dutch (DeHaan)</p> <p>Politics, English Constitutional Problems</p> <p>Economics and Politics, Statistics</p> <p>Dewey</p> <p>Chemistry (Getman)</p> <p>Biology, Embryology (Tennent)</p> <p>English Historical Grammar (C F. Brown), 2-4</p> <p>Provencal (Holbrook)</p> <p>Archaeological Seminary (Carpenter), 2-4</p> | <p>Psychology, Minor (Ferree and Rand)</p> <p>Physics, Major (Howell)</p> <p>Chemistry, Major (Getman)</p> <p>Geology, Major (T. C. Brown)</p> <p>Biology, Major (Moore)</p> <p>Greek, Theocritus (Wright)</p> <p>German Literature (Jessen)</p> <p>French, Lyric Poetry (Schenck)</p> <p>England since 1714 (Jones)</p> <p>Ancient History, The Hellenistic Age (Ferguson)</p> <p>Economics and Politics, American Social Problems (M. P. Smith)</p> <p>English Enunciation (A. S. King)</p> <p>Seminary in Comparative Literature (Hatcher), 2-4</p> <p>Old French Readings (Holbrook)</p>   | <p>Psychology, Minor (Ferree and Rand)</p> <p>Physics, Major (Howell)</p> <p>Chemistry, Major (Getman)</p> <p>Geology, Major (T. C. Brown)</p> <p>Biology, Major (Moore)</p> <p>Greek, Theocritus (Wright)</p> <p>German Literature (Jessen)</p> <p>French, Lyric Poetry (Schenck)</p> <p>England since 1714 (Jones)</p> <p>Ancient History, The Hellenistic Age (Ferguson)</p> <p>Economics and Politics, American Social Problems (M. P. Smith)</p> <p>Old Provencal (Holbrook)</p>   |
| <p>Daily Themes (Crandall)</p> <p>Argumentation (Shearer)</p> <p>Latin, Vergil (Frank)</p> <p>History, American Constitutional (W. R. Smith)</p> <p>Mathematics (Conner)</p> <p>Biology, Nervous System (Moore)</p> <p>German, Metrics (Jessen)</p> <p>Philosophy (Lasch)</p> <p>New Testament Greek Seminary (Barton)</p> <p>Statistical Sociology (Dewey)</p>   | <p>Psychology, Minor (Ferree)</p> <p>Physics, Major (Howell)</p> <p>Chemistry, Major (Getman)</p> <p>Geology, Major (T. C. Brown)</p> <p>Biology, Major (Moore)</p> <p>Descriptive Writing (Langdon)</p> <p>Education (Gordon)</p> <p>Roman Elegy (Wheeler)</p> <p>History, England under the Tudors (Haring)</p> <p>Greek Seminary, Attic Tragedy (Sanders) 3-4.30</p> <p>Sem. in English Literature (Chew) 3-4.30</p> <p>Comp. Teutonic Grammar (Lasch)</p> <p>Seminary in French Literature, 3-4.30</p> <p>Spanish Seminary (DeHaan) 3-4.30</p> <p>Ethiopic (Barton)</p> <p>Philosophical Journal Club (Wilm and Fisher), 3-4.30</p> <p>Middle English Seminary (C. F. Brown), 4.30-6</p> <p>Seminary in German Literature (Jessen), 4-6</p> <p>Old French Philology, 1st yr. (Holbrook), 4.30-6</p> <p>Semiotic Seminary (Barton)</p> <p>Seminary in European History (Haring), 4.30-6</p> <p>Seminary in Philosophical Systems (Wilm), 4.30-6</p> <p>Education Journal Club (Gordon and Castro), 4.30-6</p> <p>Mathematics (Scott), 4-6</p> <p>Seminary in Physiology (Moore) 4-6</p> | <p>Psychology, Minor (Ferree)</p> <p>Physics, Major (Howell)</p> <p>Chemistry, Major (Getman)</p> <p>Geology, Major (T. C. Brown)</p> <p>Biology, Major (Moore)</p> <p>Education (Gordon)</p> <p>Roman Elegy (Wheeler)</p> <p>History, England under the Tudors (Haring)</p> <p>English Journal Club (C. F. Brown, Donnelly, Hatcher, Chew), 3-4.30. Alternate Weeks</p> <p>Old Norse (Lasch)</p> <p>Romance Languages Journal Club (De Haan, Holbrook, and Schenck, 3-4.30. Alternate Weeks</p> <p>Archaeological Journal Club (Carpenter), 3-4.30. Alternate Weeks</p> <p>Latin Seminary (Wheeler), 4.30-6</p> <p>Middle High German (Lasch)</p> <p>Seminary in Elizabethan Drama (Hatcher), 4.30-6</p> <p>Seminary in Aramaic and Arabic (Barton)</p> <p>Seminary in Economics (M. P. Smith), 4-6</p> <p>Seminary in Methods of Teaching and Child Psychology (Gordon and Castro), 4-6</p> <p>Spanish Philology (DeHaan)</p> |
| <p>Latin Seminary (Wheeler), 4.30-6</p> <p>Seminary in English Literature (Donnelly), 4-6</p> <p>Middle High German (Lasch)</p> <p>Seminary in French Literature, 4-6</p> <p>Advanced Italian (Holbrook), 4-6</p> <p>Seminary in American History (W. R. Smith), 4-6</p> <p>Mental Tests (Rand) 4-6.</p> <p>Seminary in Zoology (Tennent) 4.30-6</p>  |  |   |

## SCHEDULE OF COLLEGIATE EXAMINATION.

|                                  |       |   |         | WEDNESDAY, JANUARY 20                            |       |
|----------------------------------|-------|---|---------|--|-------|
|                                  |       |   |         | ELECTIVE.  | 1     |
|                                  |       |   |         | Descriptive Writing.....                         | 1     |
|                                  |       |   |         | Education .....                                  | 1     |
|                                  |       |   |         | POST-MAJOR.                                      |       |
|                                  |       |   |         | Greek, Theocritus.....                           | 2     |
|                                  |       |   |         | Ancient History, The Hellenistic Age.....        | 2     |
|                                  |       |   |         | Latin, Roman Elegy.....                          | 2     |
|                                  |       |   |         | German, Literature and Reading.....              | 2     |
|                                  |       |   |         | French, Lyric Poetry.....                        | 2     |
|                                  |       |   |         | History, England under the Tudors.....           | 9     |
|                                  |       |   |         | History, England since 1714....                  | 2     |
|                                  |       |   |         | Economics, American Social Problems.....         | 2     |
| <hr/>                            |       |   |         |  |       |
| MONDAY, JANUARY 25TH.            |       | TUESDAY, JANUARY 26TH.                          |         | WEDNESDAY, JANUARY 27TH.                         |       |
| MINOR.                           | Hour. | GENERAL.  | Hour.   | ELECTIVE.  | Hour. |
| Latin, Horace.....               | 9-11  | Second Year English, Literature.                | 9-11    | New Testament Biography.....                     | 9     |
| English, Anglo-Saxon.....        | 9-11  | MINOR.  |         | POST-MAJOR.                                      |       |
| Gothic Architecture.....         | 9-11  | English, 19th Century Critics...                | 9-11    | Greek, Sophocles and Euripides.                  | 9     |
| Psychology of Instinct.....      | 9-11  | German, Grammar and Reading..                   | 9-11    | Latin, Vergil.....                               | 2-    |
|                                  |       | Spanish.....                                    | 9-12    | French, Modern French Drama..                    | 9-    |
| MAJOR.                           |       | Comparative Literature, Elizabethan Lyrics..... | 9-11    | Spanish.....                                     | 9-    |
| Greek, Literature.....           | 9-11  | History since 1799.....                         | 9-11    | History, American Constitutional Statistics..... | 2-    |
| French, Romantic Drama.....      | 9-11  | Biology.....                                    | 9-12    | Politics, English Constitutional Problems.....   | 9-    |
| History, United States from 1865 | 9-11  | MAJOR.  |         | Mathematics, Geometry.....                       | 9-    |
| Politics, Social Politics.....   | 9-11  | Philosophy, Plato and Aristotle..               | 9-11    | Experimental Psychology.....                     | 2-    |
| Economics, Industrial History... | 9-11  | 17th and 18th Century Painting                  | 9-11    |  |       |
|                                  |       | Geology.....                                    | 9-12    |  |       |
| ELECTIVE.                        |       |   |         |  |       |
| Descriptive Astronomy.....       | 9-11  | ELECTIVE.                                       |         |  |       |
|                                  |       | Mathematics, Fundamental Theorems.....          | 9-10.15 |  |       |
| POST-MAJOR.                      |       |   |         |  |       |
| Chemistry, Organic.....          | 9-11  | POST-MAJOR.                                     |         |  |       |
| Biology, Embryology.....         | 2- 4  | Physics.....                                    | 9-11    |  |       |
|                                  |       | Chemistry, Inorganic.....                       | 9-11    |  |       |

## SCHEDULE OF MATRICULATION EXAMINATIONS

|   |   |   |
|---|---|---|
|   | THURSDAY, JANUARY 14TH.   | FRIDAY, JANUARY 15TH.   |
|   | <div>Hour.</div> English Composition..... 9.30-12.30<br>English Grammar, etc..... 2.30- 4.30<br>Greek Poets..... 4.45- 5.45 | <div>Hour.</div> Algebra..... 9.30-<br>Latin Poets..... 2.30-<br>Greek Composition..... 4.15- |
| MONDAY, FEBRUARY 1ST.   | TUESDAY, FEBRUARY 2ND.  |   |
| <div>Hour.</div> Minor Latin, Section A..... 9.30-12.30<br>Trigonometry..... 2.30- 4.30 | <div>Hour.</div> Minor Latin, Section B..... 9.30-12.30<br>Solid Geometry..... 2.30- 4.30                                   |   |

This schedule of examinations is printed in advance in order that students may elect their courses and plan their examinations by it; on this account it will be impossible to change the time of any examination, except in case of a change in the lecture schedule.



# FIRST SEMESTER, 1914-15.

| THURSDAY, JANUARY 21ST.                  |         | FRIDAY, JANUARY 22ND.                    |       | SATURDAY, JANUARY 23RD.                       |          |
|--|---------|--|-------|---|----------|
| <b>ELEMENTARY.</b>                       | Hour.   | <b>GENERAL.</b>                          | Hour. | <b>ELEMENTARY.</b>                            | Hour.    |
| Ch.....                                  | 9-12    | First Year English, Composition ..       | 9-11  | Greek.....                                    | 9-12     |
| <b>MINOR.</b>                            |         | <b>MINOR.</b>                            |       | German.....                                   | 9-12     |
| at Cicero.....                           | 9-11    | Ancient History, Classical.....          | 9-11  | <b>GENERAL.</b>                               |          |
| amental Psychology.....                  | 9-12    | Politics.....                            | 9-11  | Philosophy.....                               | 9-11     |
| an Renaissance Painting.....             | 9-11    | Economics, Sociology.....                | 9-11  | <b>MINOR.</b>                                 |          |
| es.....                                  | 9-12    | Philosophy, Philosophical Problems.....  | 9-11  | Greek, Plato and Sophocles.....               | 9-12.15  |
| <b>MAJOR.</b>                            |         | Greek Vase Painting.....                 | 9-11  | French, Reading and Composition.....          | 9-11     |
| at Demosthenes and Aris-<br>thanes.....  | 9-12.15 | <b>MAJOR.</b>                            |       | Greek and Roman Architecture.....             | 9-11     |
| Ch, Literature and Composi-<br>tion..... | 9-11    | Latin, Literature.....                   | 9-11  | Mathematics, Analytical Conics.....           | 9-11     |
| History of the French Revolution.....    | 9-11    | Mid. English Romances.....               | 9-11  | Chemistry.....                                | 9-12     |
| History of Economic Thought.....         | 9-11    | Italian.....                             | 9-11  | <b>MAJOR.</b>                                 |          |
| es.....                                  | 9-12    | Mathematics, Theory of Equations.....    | 9-11  | German, Literature.....                       | 9-11     |
| es of the Drama.....                     | 9-12    | <b>POST-MAJOR.</b>                       |       | German, Reading and Composition.....          | 11-12.15 |
| <b>ELECTIVE.</b>                         |         | Mathematics, Theory of Num-<br>bers..... | 2-4   | Comparative Literature, Pastoral.....         | 9-11     |
| Themes.....                              | 2-4     |  |       | Modern History, The Renaissance.....          | 9-11     |
| umentation.....                          | 2-4     |  |       | Ancient History, Fifth Century Athens.....    | 9-11     |
| es of the Drama.....                     | 9-11    |  |       | Applied Psychology.....                       | 9-11     |
|  |         |  |       | <b>ELECTIVE.</b>                              |          |
|  |         |  |       | Old Testament Canon.....                      | 9-10.15  |
|  |         |  |       | Geology, Geologic and Geographic Control..... | 9-11     |
|  |         |  |       | Biology, Theoretical.....                     | 11-12.15 |
|  |         |  |       | <b>POST-MAJOR.</b>                            |          |
|  |         |  |       | Biology, Physiological Chemistry.....         | 9-11     |

| THURSDAY, JANUARY 28TH.             |             | FRIDAY, JANUARY 29TH.                                |         | SATURDAY, JANUARY 30TH.                        |        |
|-------------------------------------|-------------|--|---------|--|--------|
| <b>GENERAL.</b>                     | Hour.       | <b>GENERAL.</b>                                      | Hour.   | <b>GENERAL.</b>                                | Hour.  |
| Psychology.....                     | 9-11        | First Year English, Literature.....                  | 9-11    | Second Year English, Composition.....          | 9-11   |
| <b>MINOR.</b>                       |             | <b>MINOR.</b>  |         | <b>MINOR.</b>                                  |        |
| Ge, Homer.....                      | 9-11        | Ancient History, Oriental.....                       | 9-11    | English, Poetry from 1865 to 1914.....         | 9-11   |
| French Essayists.....               | 9-11        | Economics, Introduction to.....                      | 9-11    | German, Literature.....                        | 9-11   |
| Roman World.....                    | 9-11        | Philosophy, Modern Classics.....                     | 9-11    | History of the Reformation.....                | 9-11   |
| Mathematics, Trigonometry.....      | 9-11        | Physics.....   | 9-12    | History, of Western Europe in Middle Ages..... | 9-11   |
| <b>MAJOR.</b>                       |             | <b>MAJOR.</b>  |         | <b>MAJOR.</b>                                  |        |
| Man, Faust.....                     | 9-11        | Latin, Tacitus.....                                  | 9-11    | German Idealism.....                           | 9-11   |
| History, British Imperialism.....   | 9-11        | English, Drama.....                                  | 9-11    | Renaissance Sculpture.....                     | 9-11   |
| Ancient History, Historians of..... | 9-10.15     | Spanish.....   | 9-12    | <b>ELECTIVE.</b>                               |        |
| Ancient History, Roman Life.....    | 10.30-11.45 | Mathematics, Differential and Integral Calculus..... | 9-11    | Mathematics Preparatory to Science.....        | 9-11   |
| Seasonal Psychology.....            | 9-11        | Chemistry.....                                       | 9-12    | A Study of Poetics.....                        | 2-3.15 |
| <b>ELECTIVE.</b>                    |             | <b>ELECTIVE.</b>                                     |         | <b>POST-MAJOR.</b>                             |        |
| Physical Basis of Music.....        | 9-10.15     | German Composition.....                              | 9-10.15 | Greek, Herodotus.....                          | 2-3.15 |
| Geology, Meteorology.....           | 10.30-11.15 | <b>POST-MAJOR.</b>                                   |         | Latin, Prose Composition.....                  | 2-3.15 |
| <b>POST-MAJOR.</b>                  |             | Petrography.....                                     | 9-11    | Chemistry, Physical.....                       | 9-11   |
| Biology, Nervous System.....        | 2-4         |  |         |  |        |

## JANUARY-FEBRUARY, 1915.

| SATURDAY, JANUARY 16TH.  |            | MONDAY, JANUARY 18TH.  |           | TUESDAY, JANUARY 19TH.   |            |
|--------------------------|------------|------------------------|-----------|--------------------------|------------|
|                          | Hour.      |                        | Hour.     |                          | Hour.      |
| Ch.....                  | 9.30-12.30 | Geometry.....          | 9.30-12   | German.....              | 9.30-12.30 |
| History.....             | 2.30-4     | Latin Composition..... | 2.30-4    | Latin Prose Authors..... | 2.30-4.30  |
| Latin Prose Authors..... | 4.15-5.15  | Science.....           | 4.15-5.45 |                          |            |
|                          |            |                        |           |                          |            |
|                          |            |                        |           |                          |            |



# SCHEDULE OF COLLEGIATE EXAMINATIONS

|  |  |  |  |   |  |
|--|--|--|--|---|--|
|  |  |  |  | WEDNESDAY, MAY 1  |  |
|  |  |  |  | <b>GENERAL.</b><br>Second Year, English Composition.....  |  |
|  |  |  |  | <b>MINOR.</b><br>English, Poetry from 1865 to 1914<br>German, Literature.....<br>History of the Reformation.....<br>History of Western Europe in Middle Ages.....   |  |
|  |  |  |  | <b>MAJOR.</b><br>Comte, Mill and Spencer.....<br>Renaissance Sculpture.....   |  |
|  |  |  |  | <b>ELECTIVE.</b><br>Mathematics Preparatory to Science.....<br>A Study of Poetics.....  |  |
|  |  |  |  | <b>POST-MAJOR.</b><br>Greek, Prose Composition.....<br>Latin, Prose Composition.....<br>Chemistry, Physical.....  |  |
| MONDAY, MAY 24TH.  |  | TUESDAY, MAY 25TH.   |  | WEDNESDAY, MAY 2  |  |
| <b>MATRICULATION.</b> Hour.<br>Greek..... 9-10.30<br>German..... 9-10.30   |  | <b>MATRICULATION.</b> Hour.<br>French..... 9-10.30   |  | <b>ELECTIVE.</b><br>New Testament Biography.....<br>English, Reading of Prose.....  |  |
| <b>GENERAL.</b><br>Philosophy..... 9-11  |  | <b>MINOR.</b><br>Latin, Horace..... 9-11<br>English, Anglo-Saxon..... 9-11<br>Gothic Architecture..... 9-11<br>Animal Psychology..... 9-11   |  | <b>POST-MAJOR.</b><br>Greek, Bacchylides and Euripides.....<br>Latin, Prose of the Empire.....<br>French, Modern Drama.....<br>Spanish.....<br>History, American Constitutional Statistics.....<br>Politics, English Constitutional Problems.....<br>Mathematics, Geometry.....<br>Experimental Psychology..... |  |
| <b>MINOR.</b><br>Greek, Herodotus and Euripides. French, Reading and Composition..... 9-11<br>Greek and Roman Architecture..... 9-11<br>Mathematics, Differential and Integral Calculus..... 9-11<br>Chemistry of Metals..... 9-11   |  | <b>MAJOR.</b><br>Greek, Literature..... 9-11<br>French, Romantic Drama..... 9-11<br>History, United States from 1865..... 9-11<br>Politics, Modern Politics..... 9-11<br>Economics, Industrial History..... 9-11 |  |   |  |
| <b>MAJOR.</b><br>German, Literature..... 9-11<br>German, Reading and Composition..... 11-12.15<br>Comparative Literature, Pastoral..... 9-11<br>Modern History, Renaissance..... 9-11<br>Ancient History, First Century Roman Empire..... 9-11<br>Applied Psychology..... 9-11 |  | <b>ELECTIVE.</b><br>Descriptive Astronomy..... 9-11  |  |   |  |
| <b>ELECTIVE.</b><br>Old Testament Canon..... 9-10.15<br>Geology, Geologic and Geographic Control..... 9-11<br>Biology, Theoretical..... 11-12.15   |  | <b>Post-MAJOR.</b><br>Chemistry, Organic..... 9-11<br>Biology, Embryology..... 2- 4  |  |   |  |
| <b>POST-MAJOR.</b><br>Biology, Physiological Chemistry 9-11  |  |  |  |   |  |

## SCHEDULE OF MATRICULATIONS

|   |  |   |  |   |  |
|---|--|---|--|---|--|
|   |  |   |  |   |  |
|   |  |   |  |   |  |
|   |  |   |  |   |  |
| MONDAY, MAY 31st.   |  | TUESDAY, JUNE 1st.  |  | WEDNESDAY, JUNE 2                       |  |
| French..... Hour.<br>History..... 9.30-12.30<br>Greek, Prose Authors..... 2.30- 4<br>4.15- 5.15 |  | Geometry..... Hour.<br>Latin Composition..... 9.30-12<br>Science..... 2.30- 4<br>4.15- 5.45 |  | German.....<br>Latin Prose Authors..... |  |





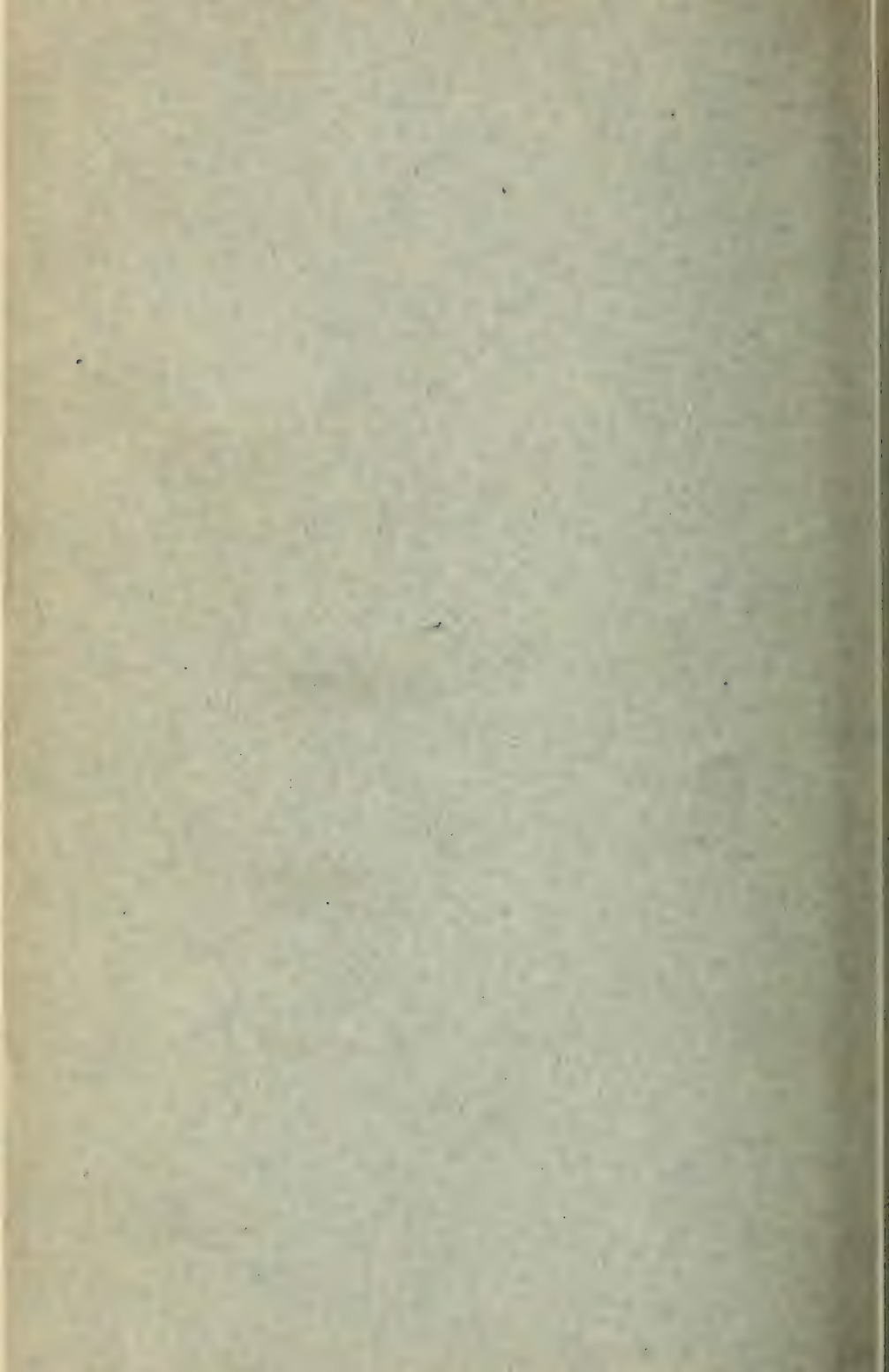
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# BRYN MAWR COLLEGE

## CALENDAR

UNDERGRADUATE AND GRADUATE  
COURSES

1915



BRYN MAWR, PENNSYLVANIA.  
Published by Bryn Mawr College,  
May, 1915.





# BRYN MAWR COLLEGE

## CALENDAR

### UNDERGRADUATE AND GRADUATE COURSES

1915

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BRYN MAWR, PENNSYLVANIA.

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Philadelphia, Pa.

# BRYN MAWR COLLEGE CALENDAR

1915.

PART 1. Register of Alumnæ and Former Students.

PART 2. Graduate Courses.

PART 3. Undergraduate and Graduate Courses.

PART 4. Academic Buildings and Halls of Residence.  
Plans and Descriptions.

# BRYN MAWR COLLEGE.

## COLLEGE CALENDAR.

| 1915.     |    |    |    |    |    |    | 1916.    |    |    |    |    |    |    |           |    |    |    |    |    |    | 1917.    |    |   |   |    |    |    |           |    |    |    |    |    |   |
|-----------|----|----|----|----|----|----|----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----------|----|---|---|----|----|----|-----------|----|----|----|----|----|---|
| JULY      |    |    |    |    |    |    | JANUARY  |    |    |    |    |    |    | JULY      |    |    |    |    |    |    | JANUARY  |    |   |   |    |    |    | JULY      |    |    |    |    |    |   |
| S         | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  | S        | M  | T | W | T  | F  | S  | S         | M  | T  | W  | T  | F  | S |
|           |    |    |    |    | 1  | 2  | 3        |    |    |    |    |    |    | 1         | 2  | 3  | 4  | 5  | 6  | 7  | 8        |    |   |   |    |    | 1  | 2         | 3  | 4  | 5  | 6  | 7  |   |
| 4         | 5  | 6  | 7  | 8  | 9  | 10 |          | 2  | 3  | 4  | 5  | 6  | 7  | 8         | 9  | 10 | 11 | 12 | 13 | 14 | 15       |    |   |   |    |    | 8  | 9         | 10 | 11 | 12 | 13 | 14 |   |
| 11        | 12 | 13 | 14 | 15 | 16 | 17 |          | 9  | 10 | 11 | 12 | 13 | 14 | 15        | 16 | 17 | 18 | 19 | 20 | 21 | 22       |    |   |   |    |    | 15 | 16        | 17 | 18 | 19 | 20 | 21 |   |
| 18        | 19 | 20 | 21 | 22 | 23 | 24 |          | 16 | 17 | 18 | 19 | 20 | 21 | 22        | 23 | 24 | 25 | 26 | 27 | 28 | 29       |    |   |   |    |    | 22 | 23        | 24 | 25 | 26 | 27 | 28 |   |
| 25        | 26 | 27 | 28 | 29 | 30 | 31 |          | 23 | 24 | 25 | 26 | 27 | 28 | 29        | 30 | 31 |    |    |    |    |          |    |   |   |    |    | 29 | 30        | 31 |    |    |    |    |   |
| AUGUST    |    |    |    |    |    |    | FEBRUARY |    |    |    |    |    |    | AUGUST    |    |    |    |    |    |    | FEBRUARY |    |   |   |    |    |    | AUGUST    |    |    |    |    |    |   |
| 1         | 2  | 3  | 4  | 5  | 6  | 7  |          |    | 1  | 2  | 3  | 4  | 5  |           |    | 1  | 2  | 3  | 4  | 5  |          |    |   |   |    | 1  | 2  | 3         | 4  | 5  | 6  | 7  |    |   |
| 8         | 9  | 10 | 11 | 12 | 13 | 14 |          | 6  | 7  | 8  | 9  | 10 | 11 | 12        |    | 6  | 7  | 8  | 9  | 10 | 11       | 12 |   |   |    | 8  | 9  | 10        | 11 | 12 | 13 | 14 |    |   |
| 15        | 16 | 17 | 18 | 19 | 20 | 21 |          | 13 | 14 | 15 | 16 | 17 | 18 | 19        |    | 13 | 14 | 15 | 16 | 17 | 18       | 19 |   |   |    | 15 | 16 | 17        | 18 | 19 | 20 | 21 |    |   |
| 22        | 23 | 24 | 25 | 26 | 27 | 28 |          | 20 | 21 | 22 | 23 | 24 | 25 | 26        |    | 20 | 21 | 22 | 23 | 24 | 25       | 26 |   |   |    | 22 | 23 | 24        | 25 | 26 | 27 | 28 |    |   |
| 29        | 30 | 31 |    |    |    |    |          | 27 | 28 | 29 |    |    |    |           |    | 27 | 28 | 29 | 30 | 31 |          |    |   |   |    | 29 | 30 | 31        |    |    |    |    |    |   |
| SEPTEMBER |    |    |    |    |    |    | MARCH    |    |    |    |    |    |    | SEPTEMBER |    |    |    |    |    |    | MARCH    |    |   |   |    |    |    | SEPTEMBER |    |    |    |    |    |   |
|           |    |    |    | 1  | 2  | 3  | 4        |    |    |    |    | 1  | 2  | 3         | 4  |    |    |    |    | 1  | 2        |    |   |   |    | 1  | 2  | 3         | 4  | 5  | 6  | 7  | 8  |   |
| 5         | 6  | 7  | 8  | 9  | 10 | 11 |          | 5  | 6  | 7  | 8  | 9  | 10 | 11        |    | 3  | 4  | 5  | 6  | 7  | 8        | 9  |   |   |    | 4  | 5  | 6         | 7  | 8  | 9  | 10 |    |   |
| 12        | 13 | 14 | 15 | 16 | 17 | 18 |          | 12 | 13 | 14 | 15 | 16 | 17 | 18        |    | 10 | 11 | 12 | 13 | 14 | 15       | 16 |   |   |    | 11 | 12 | 13        | 14 | 15 | 16 | 17 |    |   |
| 19        | 20 | 21 | 22 | 23 | 24 | 25 |          | 19 | 20 | 21 | 22 | 23 | 24 | 25        |    | 17 | 18 | 19 | 20 | 21 | 22       | 23 |   |   |    | 18 | 19 | 20        | 21 | 22 | 23 | 24 |    |   |
| 26        | 27 | 28 | 29 | 30 |    |    |          | 26 | 27 | 28 | 29 | 30 | 31 |           | 24 | 25 | 26 | 27 | 28 | 29 | 30       |    |   |   | 23 | 24 | 25 | 26        | 27 | 28 | 29 | 30 |    |   |
| OCTOBER   |    |    |    |    |    |    | APRIL    |    |    |    |    |    |    | OCTOBER   |    |    |    |    |    |    | APRIL    |    |   |   |    |    |    | OCTOBER   |    |    |    |    |    |   |
|           |    |    |    |    | 1  | 2  |          |    |    |    |    |    | 1  | 2         | 3  | 4  | 5  | 6  | 7  |    |          |    |   |   |    | 1  | 2  | 3         | 4  | 5  | 6  | 7  |    |   |
| 3         | 4  | 5  | 6  | 7  | 8  | 9  |          | 2  | 3  | 4  | 5  | 6  | 7  | 8         | 9  | 10 | 11 | 12 | 13 | 14 |          |    |   |   |    | 7  | 8  | 9         | 10 | 11 | 12 | 13 |    |   |
| 10        | 11 | 12 | 13 | 14 | 15 | 16 |          | 9  | 10 | 11 | 12 | 13 | 14 | 15        | 16 | 17 | 18 | 19 | 20 | 21 |          |    |   |   |    | 14 | 15 | 16        | 17 | 18 | 19 | 20 |    |   |
| 17        | 18 | 19 | 20 | 21 | 22 | 23 |          | 16 | 17 | 18 | 19 | 20 | 21 | 22        | 23 | 24 | 25 | 26 | 27 | 28 |          |    |   |   |    | 21 | 22 | 23        | 24 | 25 | 26 | 27 |    |   |
| 24        | 25 | 26 | 27 | 28 | 29 | 30 |          | 23 | 24 | 25 | 26 | 27 | 28 | 29        | 30 | 31 |    |    |    |    |          |    |   |   |    | 28 | 29 | 30        | 31 |    |    |    |    |   |
| 31        |    |    |    |    |    |    |          | 30 |    |    |    |    |    |           |    |    |    |    |    |    |          |    |   |   |    | 28 | 29 | 30        |    |    |    |    |    |   |
| NOVEMBER  |    |    |    |    |    |    | MAY      |    |    |    |    |    |    | NOVEMBER  |    |    |    |    |    |    | MAY      |    |   |   |    |    |    | NOVEMBER  |    |    |    |    |    |   |
|           |    | 1  | 2  | 3  | 4  | 5  | 6        |    |    | 1  | 2  | 3  | 4  | 5         | 6  |    |    |    |    | 1  | 2        | 3  | 4 |   |    |    |    | 1         | 2  | 3  | 4  | 5  | 6  |   |
| 7         | 8  | 9  | 10 | 11 | 12 | 13 |          | 7  | 8  | 9  | 10 | 11 | 12 | 13        |    | 5  | 6  | 7  | 8  | 9  | 10       | 11 |   |   |    |    | 6  | 7         | 8  | 9  | 10 | 11 |    |   |
| 14        | 15 | 16 | 17 | 18 | 19 | 20 |          | 14 | 15 | 16 | 17 | 18 | 19 | 20        |    | 12 | 13 | 14 | 15 | 16 | 17       | 18 |   |   |    | 13 | 14 | 15        | 16 | 17 | 18 | 19 |    |   |
| 21        | 22 | 23 | 24 | 25 | 26 | 27 |          | 21 | 22 | 23 | 24 | 25 | 26 | 27        |    | 19 | 20 | 21 | 22 | 23 | 24       | 25 |   |   |    | 20 | 21 | 22        | 23 | 24 | 25 | 26 |    |   |
| 28        | 29 | 30 |    |    |    |    |          | 28 | 29 | 30 | 31 |    |    |           |    | 26 | 27 | 28 | 29 | 30 |          |    |   |   |    | 27 | 28 | 29        | 30 | 31 |    |    |    |   |
| DECEMBER  |    |    |    |    |    |    | JUNE     |    |    |    |    |    |    | DECEMBER  |    |    |    |    |    |    | JUNE     |    |   |   |    |    |    | DECEMBER  |    |    |    |    |    |   |
|           |    |    |    | 1  | 2  | 3  | 4        |    |    |    |    |    | 1  | 2         | 3  |    |    |    |    | 1  | 2        |    |   |   |    |    | 1  | 2         | 3  | 4  | 5  | 6  | 7  |   |
| 5         | 6  | 7  | 8  | 9  | 10 | 11 |          | 4  | 5  | 6  | 7  | 8  | 9  | 10        |    | 3  | 4  | 5  | 6  | 7  | 8        | 9  |   |   |    | 3  | 4  | 5         | 6  | 7  | 8  | 9  |    |   |
| 12        | 13 | 14 | 15 | 16 | 17 | 18 |          | 11 | 12 | 13 | 14 | 15 | 16 | 17        |    | 10 | 11 | 12 | 13 | 14 | 15       | 16 |   |   |    | 10 | 11 | 12        | 13 | 14 | 15 | 16 |    |   |
| 19        | 20 | 21 | 22 | 23 | 24 | 25 |          | 18 | 19 | 20 | 21 | 22 | 23 | 24        |    | 17 | 18 | 19 | 20 | 21 | 22       | 23 |   |   |    | 17 | 18 | 19        | 20 | 21 | 22 | 23 |    |   |
| 26        | 27 | 28 | 29 | 30 | 31 |    |          | 25 | 26 | 27 | 28 | 29 | 30 |           | 24 | 25 | 26 | 27 | 28 | 29 | 30       |    |   |   | 24 | 25 | 26 | 27        | 28 | 29 | 30 | 31 |    |   |

The academic year will close with the Conferring of Degrees at eleven o'clock, on June 1st, 1916.



## ACADEMIC YEAR, 1915-16.

|                 |   |
|-----------------|---|
| September 21st. | Matriculation examinations begin.   |
| September 27th. | Registration of students. Halls of Residence open for students at three p. m.   |
| September 28th. | Registration of students.<br>Matriculation examinations end.                    |
| September 29th. | The work of the thirty-first academic year begins at a quarter to nine o'clock. |
| September 30th. | Examinations for advanced standing begin.                                       |
| October 9th.    | Senior oral examination in French.  |
| October 16th.   | Senior oral examination in German.  |
| October 21st.   | Examinations for advanced standing end.   |
| November 15th.  | Collegiate and matriculation condition examinations begin.                      |
| November 23rd.  | Collegiate and matriculation condition examinations end.                        |
| November 24th.  | Thanksgiving vacation begins at one o'clock.                                    |
| November 29th.  | Thanksgiving vacation ends at nine o'clock.                                     |
| December 4th.   | Senior oral examination in French.  |
| December 11th.  | Senior oral examination in German.  |
| December 21st.  | Christmas vacation begins at one o'clock.                                       |
| January 5th.    | Christmas vacation ends at nine o'clock.  |
| January 13th.   | Matriculation examinations begin.   |
| January 18th.   | Matriculation examinations end.   |
| January 19th.   | Half-yearly collegiate examinations begin.                                      |
| January 29th.   | Collegiate examinations end.<br>Annual meeting of the Alumnae Association.      |
| January 31st.   | Vacation.   |
| February 1st.   | Vacation.   |
| February 2nd.   | The work of the second semester begins at a quarter to nine o'clock.            |
| February 3rd.   | Examinations for advanced standing begin.                                       |
| February 24th.  | Examinations for advanced standing end.   |
| March 11th.     | Senior oral examination in French.  |
| March 15th.     | Mid-semester examination in matriculation Greek.                                |
| March 17th.     | Announcement of European Fellowships.   |
| March 18th.     | Senior oral examination in German.  |
| April 10th.     | Collegiate and matriculation condition examinations begin.                      |
| April 18th.     | Collegiate and matriculation condition examinations end.                        |
| April 19th.     | Easter vacation begins at one o'clock.  |
| April 27th.     | Easter vacation ends at nine o'clock.   |
| May 6th.        | Senior oral examinations in French and German.                                  |
| May 16th.       | Vacation.   |
| May 17th.       | Collegiate examinations begin.  |

|           |  |
|-----------|--|
| May 25th. | Matriculation examinations begin.                              |
| May 27th. | Collegiate examinations end.                                   |
| May 31st. | Matriculation examinations end.                                |
| June 1st. | Conferring of degrees and close of thirty-first academic year. |

#### ACADEMIC YEAR, 1916-17.

|                 |  |
|-----------------|--|
| September 26th. | Matriculation examinations begin.  |
| October 2nd.    | Registration of students. Halls of Residence open for students at three p. m.    |
| October 3rd.    | Registration of students.<br>Matriculation examinations end.                     |
| October 4th.    | The work of the thirty-second academic year begins at a quarter to nine o'clock. |

## SPRING, 1915.

## THURSDAY, MAY 27.

|                        |                              |
|------------------------|------------------------------|
| <i>Minor Latin, A,</i> | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Trigonometry,</i>   | $9\frac{1}{2}-11\frac{1}{2}$ |
| <i>Minor Latin, B,</i> | $2\frac{1}{2}-5\frac{1}{2}$  |
| <i>Solid Geometry,</i> | $2\frac{1}{2}-4\frac{1}{2}$  |

## FRIDAY, MAY 28.

|                               |                              |
|-------------------------------|------------------------------|
| <i>English Composition,</i>   | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>English Grammar, etc.,</i> | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Poets,</i>           | $4\frac{3}{4}-5\frac{3}{4}$  |

## SATURDAY, MAY 29.

|                                       |                             |
|---------------------------------------|-----------------------------|
| <i>Algebra,</i>                       | $9\frac{1}{2}-12$           |
| <i>Latin Poets,</i>                   | $2\frac{1}{2}-4$            |
| <i>Greek Grammar and Composition,</i> | $4\frac{1}{4}-5\frac{1}{4}$ |

## AUTUMN, 1915.

## TUESDAY, SEPTEMBER 21.

|                               |                              |
|-------------------------------|------------------------------|
| <i>English Composition,</i>   | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>English Grammar, etc.,</i> | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Poets,</i>           | $4\frac{3}{4}-5\frac{3}{4}$  |

## WEDNESDAY, SEPTEMBER 22.

|                                       |                             |
|---------------------------------------|-----------------------------|
| <i>Algebra,</i>                       | $9\frac{1}{2}-12$           |
| <i>Latin Poets,</i>                   | $2\frac{1}{2}-4$            |
| <i>Greek Grammar and Composition,</i> | $4\frac{1}{4}-5\frac{1}{4}$ |

## THURSDAY, SEPTEMBER 23.

|                             |                              |
|-----------------------------|------------------------------|
| <i>French,</i>              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>History,</i>             | $2\frac{1}{2}-4$             |
| <i>Greek Prose Authors,</i> | $4\frac{1}{4}-5\frac{1}{4}$  |

## FRIDAY, SEPTEMBER 24.

|                           |                             |
|---------------------------|-----------------------------|
| <i>Geometry,</i>          | $9\frac{1}{2}-12$           |
| <i>Latin Composition,</i> | $2\frac{1}{2}-4$            |
| <i>Science,</i>           | $4\frac{1}{4}-5\frac{3}{4}$ |

## SATURDAY, SEPTEMBER 25.

|                             |                              |
|-----------------------------|------------------------------|
| <i>German,</i>              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Latin Prose Authors,</i> | $2\frac{1}{2}-4\frac{1}{2}$  |

## WEDNESDAY, SEPTEMBER 29.

|                        |                              |
|------------------------|------------------------------|
| <i>Minor Latin, A,</i> | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Trigonometry,</i>   | $2\frac{1}{2}-4\frac{1}{2}$  |

## THURSDAY, SEPTEMBER 30.

|                        |                              |
|------------------------|------------------------------|
| <i>Minor Latin, B,</i> | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Solid Geometry,</i> | $2\frac{1}{2}-4\frac{1}{2}$  |

## MONDAY, MAY 31.

|                             |                              |
|-----------------------------|------------------------------|
| <i>French,</i>              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>History,</i>             | $2\frac{1}{2}-4$             |
| <i>Greek Prose Authors,</i> | $4\frac{1}{4}-5\frac{1}{4}$  |

## TUESDAY, JUNE 1.

|                           |                             |
|---------------------------|-----------------------------|
| <i>Geometry,</i>          | $9\frac{1}{2}-12$           |
| <i>Latin Composition,</i> | $2\frac{1}{2}-4$            |
| <i>Science,</i>           | $4\frac{1}{4}-5\frac{1}{4}$ |

## WEDNESDAY, JUNE 2.

|                             |                              |
|-----------------------------|------------------------------|
| <i>German,</i>              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Latin Prose Authors,</i> | $2\frac{1}{2}-4\frac{1}{2}$  |

## WINTER, 1916.

## THURSDAY, JANUARY 13.

|                               |                              |
|-------------------------------|------------------------------|
| <i>English Composition,</i>   | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>English Grammar, etc.,</i> | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Poets,</i>           | $4\frac{3}{4}-5\frac{3}{4}$  |

## FRIDAY, JANUARY 14.

|                                       |                             |
|---------------------------------------|-----------------------------|
| <i>Algebra,</i>                       | $9\frac{1}{2}-12$           |
| <i>Latin Poets,</i>                   | $2\frac{1}{2}-4$            |
| <i>Greek Grammar and Composition,</i> | $4\frac{1}{4}-5\frac{1}{4}$ |

## SATURDAY, JANUARY 15.

|                             |                              |
|-----------------------------|------------------------------|
| <i>French,</i>              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>History,</i>             | $2\frac{1}{2}-4$             |
| <i>Greek Prose Authors,</i> | $4\frac{1}{4}-5\frac{1}{4}$  |

## MONDAY, JANUARY 17.

|                           |                             |
|---------------------------|-----------------------------|
| <i>Geometry,</i>          | $9\frac{1}{2}-12$           |
| <i>Latin Composition,</i> | $2\frac{1}{2}-4$            |
| <i>Science,</i>           | $4\frac{1}{4}-5\frac{3}{4}$ |

## TUESDAY, JANUARY 18.

|                             |                              |
|-----------------------------|------------------------------|
| <i>German,</i>              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Latin Prose Authors,</i> | $2\frac{1}{2}-4\frac{1}{2}$  |

## MONDAY, JANUARY 31.

|                        |                              |
|------------------------|------------------------------|
| <i>Minor Latin, A,</i> | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Trigonometry,</i>   | $2\frac{1}{2}-4\frac{1}{2}$  |

## TUESDAY, FEBRUARY 1.

|                        |                              |
|------------------------|------------------------------|
| <i>Minor Latin, B,</i> | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Solid Geometry,</i> | $2\frac{1}{2}-4\frac{1}{2}$  |

## SPRING, 1916.

## THURSDAY, MAY 25.

|                         |                              |
|-------------------------|------------------------------|
| Minor Latin, A, . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| Trigonometry, . . . .   | $9\frac{1}{2}-11\frac{1}{2}$ |
| Minor Latin, B, . . . . | $2\frac{1}{2}-5\frac{1}{2}$  |
| Solid Geometry, . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## FRIDAY, MAY 26.

|                          |                              |
|--------------------------|------------------------------|
| English Composition, . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| English Grammar, etc., . | $2\frac{1}{2}-4\frac{1}{2}$  |
| Greek Poets, . . . . .   | $4\frac{3}{4}-5\frac{3}{4}$  |

## SATURDAY, MAY 27.

|   |                             |
|---|-----------------------------|
| Algebra, . . . . .                            | $9\frac{1}{2}-12$           |
| Latin Poets, . . . . .                        | $2\frac{1}{2}-4$            |
| Greek Grammar and Com-<br>position, . . . . . | $4\frac{1}{4}-5\frac{1}{4}$ |

## AUTUMN, 1916.

## TUESDAY, SEPTEMBER 26.

|                          |                              |
|--------------------------|------------------------------|
| English Composition, . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| English Grammar, etc., . | $2\frac{1}{2}-4\frac{1}{2}$  |
| Greek Poets, . . . . .   | $4\frac{3}{4}-5\frac{3}{4}$  |

## WEDNESDAY, SEPTEMBER 27.

|   |                             |
|---|-----------------------------|
| Algebra, . . . . .                            | $9\frac{1}{2}-12$           |
| Latin Poets, . . . . .                        | $2\frac{1}{2}-4$            |
| Greek Grammar and Com-<br>position, . . . . . | $4\frac{1}{4}-5\frac{1}{4}$ |

## THURSDAY, SEPTEMBER 28.

|                          |                              |
|--------------------------|------------------------------|
| French, . . . . .        | $9\frac{1}{2}-12\frac{1}{2}$ |
| History, . . . . .       | $2\frac{1}{2}-4$             |
| Greek Prose Authors, . . | $4\frac{1}{4}-5\frac{1}{4}$  |

## FRIDAY, SEPTEMBER 29.

|                          |                             |
|--------------------------|-----------------------------|
| Geometry, . . . . .      | $9\frac{1}{2}-12$           |
| Latin Composition, . . . | $2\frac{1}{2}-4$            |
| Science, . . . . .       | $4\frac{1}{4}-5\frac{3}{4}$ |

## SATURDAY, SEPTEMBER 30.

|                          |                              |
|--------------------------|------------------------------|
| German, . . . . .        | $9\frac{1}{2}-12\frac{1}{2}$ |
| Latin Prose Authors, . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## WEDNESDAY, OCTOBER 4.

|                         |                              |
|-------------------------|------------------------------|
| Minor Latin, A, . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| Trigonometry, . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## THURSDAY, OCTOBER 5.

|                         |                              |
|-------------------------|------------------------------|
| Minor Latin, B, . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| Solid Geometry, . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## MONDAY, MAY 29.

|                          |                              |
|--------------------------|------------------------------|
| French, . . . . .        | $9\frac{1}{2}-12\frac{1}{2}$ |
| History, . . . . .       | $2\frac{1}{2}-4$             |
| Greek Prose Authors, . . | $4\frac{1}{4}-5\frac{1}{4}$  |

## TUESDAY, MAY 30.

|                          |                             |
|--------------------------|-----------------------------|
| Geometry, . . . . .      | $9\frac{1}{2}-12$           |
| Latin Composition, . . . | $2\frac{1}{2}-4$            |
| Science, . . . . .       | $4\frac{1}{4}-5\frac{3}{4}$ |

## WEDNESDAY, MAY 31.

|                          |                              |
|--------------------------|------------------------------|
| German, . . . . .        | $9\frac{1}{2}-12\frac{1}{2}$ |
| Latin Prose Authors, . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## WINTER, 1917.

## THURSDAY, JANUARY 18.

|                          |                              |
|--------------------------|------------------------------|
| English Composition, . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| English Grammar, etc., . | $2\frac{1}{2}-4\frac{1}{2}$  |
| Greek Poets, . . . . .   | $4\frac{3}{4}-5\frac{3}{4}$  |

## FRIDAY, JANUARY 19.

|   |                             |
|---|-----------------------------|
| Algebra, . . . . .                            | $9\frac{1}{2}-12$           |
| Latin Poets, . . . . .                        | $2\frac{1}{2}-4$            |
| Greek Grammar and Com-<br>position, . . . . . | $4\frac{1}{4}-5\frac{1}{4}$ |

## SATURDAY, JANUARY 20.

|                          |                              |
|--------------------------|------------------------------|
| French, . . . . .        | $9\frac{1}{2}-12\frac{1}{2}$ |
| History, . . . . .       | $2\frac{1}{2}-4$             |
| Greek Prose Authors, . . | $4\frac{1}{4}-5\frac{1}{4}$  |

## MONDAY, JANUARY 22.

|                          |                             |
|--------------------------|-----------------------------|
| Geometry, . . . . .      | $9\frac{1}{2}-12$           |
| Latin Composition, . . . | $2\frac{1}{2}-4$            |
| Science, . . . . .       | $4\frac{1}{4}-5\frac{3}{4}$ |

## TUESDAY, JANUARY 23.

|                          |                              |
|--------------------------|------------------------------|
| German, . . . . .        | $9\frac{1}{2}-12\frac{1}{2}$ |
| Latin Prose Authors, . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## MONDAY, FEBRUARY 5.

|                         |                              |
|-------------------------|------------------------------|
| Minor Latin, A, . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| Trigonometry, . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## TUESDAY, FEBRUARY 6.

|                         |                              |
|-------------------------|------------------------------|
| Minor Latin, B, . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| Solid Geometry, . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |



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WILLIAM C. DENNIS.  
ELIZABETH NIELDS BANCROFT.

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\* Died April 3rd, 1915.

## OFFICERS OF ADMINISTRATION.

ACADEMIC YEAR, 1914-15.

*President,*M. CAREY THOMAS, PH.D., LL.D.  
Office: Taylor Hall.*Dean of the College,*MARION REILLY, A.B.  
Office: Taylor Hall.*Recording Dean and Assistant to the President,*ISABEL MADDISON, B.Sc., PH.D.  
Office: Taylor Hall.*Secretary,*

EDITH ORLADY, A.B. Office: Taylor Hall.

*Recording Secretary,*

ABIGAIL CAMP DIMON, A.M. Office: Taylor Hall.

*Wardens of the Halls of Residence,*

MARTHA GIBBONS THOMAS, A.B., Pembroke Hall.

RUTH BABCOCK, A.B., Merion Hall.

MARGARET BONTECOU, A.B., Denbigh Hall.

MARY FRANCES NEARING, A.B., Rockefeller Hall.

BERTHA SOPHIE EHLERS, A.B., Radnor Hall.

ELIZABETH EVANS LORD, A.B., Assistant to the Warden of Pembroke Hall.

*Comptroller,*

SANDY L. HURST. Office: Taylor Hall.

*Business Manager,*

LOUISE WATSON, A.B. Office: Taylor Hall.

*Assistant Business Manager,*

LAURA LAURENSEN BYRNE, A.B. Office: Taylor Hall.

*Junior Bursar,*

MARGARET A. PROCTOR, A.B. Office: Rockefeller Hall.

*Librarian,*

LOIS ANTOINETTE REED, A.B., B.L.S. Office: The Library.

*Director of Athletics and Gymnastics and Supervisor of Health Department,*

CONSTANCE M. K. APPLEBEE. Office: The Gymnasium.

*Physician in Chief,*THOMAS F. BRANSON, M.D. Office hours, 8.30 to 9.30 and 2 to 3 daily,  
Rosemont, Pa.*Assistant Physician,*FRANCES R. SPRAGUE, M.D. Pembroke Road, Bryn Mawr; Office hours,  
The Infirmary, Bryn Mawr College, 4 to 5.30 daily except Sunday.*Examining Oculist,*HELEN MURPHY, M.D. Office hours, 2 to 4 daily, 1433 Spruce Street,  
Philadelphia.

## ACADEMIC APPOINTMENTS.

ACADEMIC YEAR, 1914-15.

M. CAREY THOMAS, PH.D., LL.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zürich, 1882. Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

CHARLOTTE ANGAS SCOTT, D.Sc., *Alumnae Professor of Mathematics.*

Lincoln, England. Graduate in Honours, Girton College, University of Cambridge, England, 1880; B.Sc., University of London, 1882; Lecturer on Mathematics in Girton College, 1880-84; lectured in connection with Newnham College, University of Cambridge, England, 1880-83; D.Sc., University of London, 1885.

GEORGE A. BARTON, PH.D., *Professor of Biblical Literature and Semitic Languages.*

A.B., Haverford College, 1882, and A.M., 1885; studied under the direction of the American Institute of Hebrew, 1885-86; Harvard University, 1888-91; Thayer Scholar, Harvard University, 1889-91; A.M., Harvard University, 1890; Ph.D., Harvard University, 1891. Director of the American School of Oriental Study and Research in Palestine, 1902-03.

FLORENCE BASCOM, PH.D., *Professor of Geology.*

A.B., University of Wisconsin, 1882, B.Sc., 1884, and A.M., 1887. Johns Hopkins University, 1891-93; Ph.D., Johns Hopkins University, 1893. Assistant in Geology and Instructor in Petrography, Ohio State University, 1893-95.

ISABEL MADDISON, B.Sc., PH.D., *Recording Dean and Assistant to the President.*

Reading, England. B.Sc., University of London, 1893; Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889-92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship and Student in Mathematics, University of Göttingen, 1894-95.

WILMER CAVE WRIGHT, PH.D., *Associate Professor of Greek.*

Shrewsbury, England. Girton College, University of Cambridge, England, 1888-92; Graduate in Honours, Cambridge Classical Tripos, 1892; Ph.D., University of Chicago, 1895. Fellow in Greek, Bryn Mawr College, 1892-93; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96.

JAMES H. LEUBA,\* PH.D., *Professor of Psychology and Education.*

Neuchâtel, Switzerland. B.S., University of Neuchâtel, 1886; Ph.D., Ursinus College, 1888; Scholar in Psychology, Clark University, 1892-93; Fellow in Psychology, Clark University, 1893-95; Ph.D., Clark University, 1896.

FONGER DEHAAN, PH.D., *Professor of Spanish.*

Leeuwarden, Holland. Ph.D., Johns Hopkins University, 1895; Instructor in Modern Languages, Lehigh University, 1885-91; Fellow in Romance Languages, Johns Hopkins University, 1893-94, Assistant in Romance Languages, 1893-95, Instructor in Romance Languages, 1895-96, and Associate in Romance Languages, 1896-97.

ARTHUR LESLIE WHEELER, PH.D., *Professor of Latin.*

A.B., Yale University, 1893; Scholar and Student in Classics, Yale College, 1893-96; Ph.D., Yale University, 1896. Instructor and Tutor in Latin, Yale College, 1894-1900.

HENRY NEVILL SANDERS, PH.D., *Professor of Greek.*

Edinburgh, Scotland. A.B., Trinity University, Toronto, 1894, and A.M., 1897; Ph.D., Johns Hopkins University, 1903. Fellow in Greek, Johns Hopkins University, 1897-98; Lecturer in Greek, McGill University, 1900-02.

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\* Granted leave of absence for the year 1914-15.

**WILLIAM BASHFORD HUFF, PH.D., *Professor of Physics.***

A.B., University of Wisconsin, 1889; A.M., University of Chicago, 1896; Ph.D., Johns Hopkins University, 1900. Lecture Assistant in Physics, Johns Hopkins University, 1899-1900, Assistant in Physics, 1900-01, and Instructor in Physics, 1901-02.

**WILLIAM ROY SMITH, PH.D., *Professor of History.***

A.B., University of Texas, 1897, and A.M., 1898; Ph.D., Columbia University, 1903. Acting Professor of History and Political Science, University of Colorado, 1900-01; Lecturer in History, Barnard College, 1901-02.

**LUCY MARTIN DONNELLY,\* A.B., *Professor of English.***

A.B., Bryn Mawr College, 1893; University of Oxford, England, and University of Leipsic, 1893-94; Sorbonne and Collège de France, and University of Leipsic, 1894-95.

**KARL DETLEV JESSEN, PH.D., *Professor of German Literature.***

Winnemark, Schleswig-Holstein, Germany. A.B., University of Chicago, 1896, and Fellow in German, 1897-98; Ph.D., University of Berlin, 1901. University of Chicago, 1895-98; University of Kiel, 1899; University of Berlin, 1898-1901; Acting Professor of Modern Languages, Eureka College, 1896; Instructor in German, Iowa State University, 1897; Instructor in German, Harvard University, 1901-03, and Lecturer in German Literature and Aesthetics, 1904.

**TENNEY FRANK, PH.D., *Professor of Latin.***

A.B., University of Kansas, 1898, and A.M., 1899; Ph.D., University of Chicago, 1903. Fellow, University of Chicago, 1899-1901; Assistant and Associate in Latin, University of Chicago, 1901-04.

**DAVID HILT TENNENT, PH.D., *Professor of Biology.***

S.B., Olivet College, 1900; Ph.D., Johns Hopkins University, 1914. Fellow, Johns Hopkins University, 1902-04; Bruce Fellow, Johns Hopkins University, 1904.

**CARLETON FAIRCHILD BROWN, PH.D., *Professor of English Philology.***

A.B., Carleton College, 1888; A.M., Harvard University, 1901, and Ph.D., 1903. Shattuck Scholar, Harvard University, 1901-03; Instructor in English, Harvard University, 1903-05.

**JAMES BARNES,† PH.D., *Associate Professor of Physics.***

Halifax, Nova Scotia. B.A., Dalhousie University, Honours in Mathematics and Physics, 1899, and M.A., 1900; Ph.D., Johns Hopkins University, 1904. Holder of 1851 Exhibition Science Research Scholarship, 1900-03; Fellow, Johns Hopkins University, 1903-04, and Assistant in Physics, 1904-06.

**RICHARD THAYER HOLBROOK, PH.D., *Associate Professor of French Philology and Italian.***

A.B., Yale University, 1893; Ph.D., Columbia University, 1902. Sorbonne, Collège de France, Ecole des Chartes, 1893-94, 1895-96; Student in Italy and University of Berlin, 1894-95; Student in Spain, 1901; Tutor in the Romance Languages and Literatures, Yale University, 1896-1901, and Columbia University, 1902-06.

**THEODORE DE LEO DE LAGUNA,† PH.D., *Professor of Philosophy.***

A.B., University of California, 1896, and A.M., 1899; Ph.D., Cornell University, 1901. Teacher in the Government Schools of the Philippine Islands, 1901-04; Honorary Fellow and Assistant in Philosophy, Cornell University, 1904-05; Assistant Professor of the Philosophy of Education, University of Michigan, 1905-07.

**MARION REILLY, A.B., *Dean of the College and Reader in Philosophy.***

A.B., Bryn Mawr College, 1901. Graduate Student, Bryn Mawr College, 1901-02, 1903, 1903-06; Newham College, University of Cambridge, Spring, 1907; Universities of Rome and Siena, 1911-12.

**MARION PARRIS SMITH, PH.D., *Associate Professor of Economics.***

A.B., Bryn Mawr College, 1901, and Ph.D., 1909. Graduate Student, Bryn Mawr College, 1902-05, Fellow in Economics and Politics, 1905-06; Bryn Mawr College Research Fellow and Student in Economics and Politics, University of Vienna, 1906-07.

**FREDERICK HUTTON GETMAN, PH.D., *Associate Professor of Chemistry.***

Ph.D., Johns Hopkins University, 1903. Rensselaer Polytechnic Institute, 1893-96; University of Virginia, 1896-97; Fellow in Chemistry, Johns Hopkins University, 1902-03, and Fellow by Courtesy, 1903-04; Carnegie Research Assistant in Physical Chemistry, 1903-04; Lecturer in Physical Chemistry, College of the City of New York, 1904-05, and Lecturer in Physics, Columbia University, 1907-08.

\* Granted leave of absence for the year 1915-16.

† Granted leave of absence for the year 1914-15.



CLARENCE ERROL FERREE, PH.D., *Associate Professor of Experimental Psychology and Director of the Psychological Laboratory.*

B.S., Ohio Wesleyan University, 1900, A.M., 1901, and M.S., 1902; Ph.D., Cornell University, 1909. Fellow in Psychology, Cornell University, 1902-03; Assistant in Psychology, Cornell University, 1903-07.

ORIE LATHAM HATCHER, PH.D., *Associate Professor of Comparative Literature and Elizabethan Literature.*

A.B., Vassar College, 1888; Ph.D., University of Chicago, 1903. Graduate Student, University of Chicago, 1901-03, and Fellow in English, 1903-04.

AGATHE LASCH, PH.D., *Associate Professor of Teutonic Philology.*

Berlin, Germany. Ph.D., University of Heidelberg, 1909. Student, University of Halle, 1906-07; University of Heidelberg, 1907-10. State Examination *pro facultate docendi*, Karlsruhe, 1910.

GRACE MEAD ANDRUS DE LAGUNA, \* PH.D., *Associate in Philosophy.*

A.B., Cornell University, 1903, and Ph.D., 1906. Sage Scholar in Philosophy, Cornell University, 1903-05; Alice Freeman Palmer Fellow of Wellesley College, 1905-06; Reader in Philosophy, Bryn Mawr College, 1907-08.

REGINA KATHARINE CRANDALL, PH.D., *Director of English Essay Work and Reader in English.*

A.B., Smith College, 1890; Ph.D., University of Chicago, 1902. Graduate Student, University of Chicago, 1893-94, and Fellow in History, 1894-96; Assistant in History, Smith College, 1896-99; Instructor in History, Wellesley College, 1899-1900.

EDITH ORLADY, A.B., *Secretary of the College.*

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, Bryn Mawr College, 1903-06, 1907-09; Recording Secretary, 1910-12.

KATE GORDON, PH.D., *Associate Professor of Education.*

Ph.B., University of Chicago, 1900, and Ph.D., 1903. Scholar in Pedagogy, University of Chicago, 1900-01, and Fellow in Philosophy, 1901-03; European Fellow of the Association of Collegiate Alumnae, 1903-04; Instructor in Ethics and Psychology, Mt. Holyoke College, 1904-05, and in Teachers' College, Columbia University, 1906-07; Substitute Professor of Philosophy, Mt. Holyoke College, Second Semester, 1911-12.

CLARENCE HENRY HARING, A.B., B. LITT., *Associate in History.*

A.B., Harvard University, 1907; B. Litt., University of Oxford, 1909. Rhodes Scholar, University of Oxford, 1907-10; John Harvard Fellow of Harvard University, 1908-10; Austin Teaching Fellow in Harvard College, 1910-11; Bayard Cutting Travelling Fellow in History, Harvard University, and Student, University of Berlin, 1911-12.

JAMES FULTON FERGUSON, PH.D., *Associate in Ancient History and Latin.*

A.B., Monmouth College, 1903; A.B., Yale University, 1906, A.M., 1907, and Ph.D., 1912. Fellow, Yale University, 1906-09; Instructor in Williams College, 1909-10; Instructor in Greek and Latin, Yale College, 1910-12.

THOMAS CLACHAR BROWN, PH.D., *Associate in Geology.*

A.B., Amherst College, 1904; A.M., Columbia University, 1905, and Ph.D., 1909. Assistant in Paleontology, Columbia University, 1905-07; Geologist to the Board of Water Supply of New York City, 1907-09; Assistant Professor of Geology, Middlebury College, 1909-11; Non-resident Lecturer in Geology, Norwich University, 1909; Assistant Professor of Geology, Pennsylvania State College, 1911-12.

JAMES RYALS CONNER, PH.D., *Associate Professor in Mathematics.*

A.B., University of Georgia, 1898; Ph.D., Johns Hopkins University, 1909. Johns Hopkins University, 1906-12, Fellow, 1907-09, Carnegie Research Assistant, 1909-11. Johnston Scholar and Fellow by Courtesy, Johns Hopkins University, 1911-12.

ROGER FREDERIC BRUNEL, PH.D., *Associate Professor in Chemistry.*

A.B., Colby University, 1903; Ph.D., Johns Hopkins University, 1906. Lecture Assistant in Chemistry, Johns Hopkins University, 1906-07; Instructor in Chemistry, Syracuse University, 1907-10, and Assistant Professor of Chemistry, 1910-12.

MATILDE CASTRO, PH.D., *Phebe Anna Thorne Associate Professor of Education and Director of the Phebe Anna Thorne Model School.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the Morris High School, Chicago, 1901-03; Instructor in Philosophy, Mt. Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12.

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\* Granted leave of absence for the year 1914-15.

ARTHUR RUSSELL MOORE, PH.D., *Associate Professor of Physiology.*

A.B., University of Nebraska, 1904; Ph.D., University of California, 1911. Assistant in Physiology, University of California, 1909-11, and Assistant Professor of Physiology, 1911-13.

DONALD FISHER, PH.D., *Associate in Philosophy.*

A.B., Western Reserve University, 1908; A.M., Harvard University, 1909, and Ph.D., 1913; Travelling Fellow in Philosophy, Harvard University and Student, Universities of Graz, Berlin, and Freiburg, 1910-12; Assistant in Philosophy, Harvard University, 1912-13.

GERTRUDE RAND, PH.D., *Associate in Experimental and Educational Psychology.*

A.B., Cornell University, 1908; Ph.D., Bryn Mawr College, 1913. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, 1911-12, Fellow in Philosophy, 1909-10, Fellow in Psychology, 1910-11, and Sarah Berliner Research Fellow, 1912-13.

EUNICE MORGAN SCHENCK, PH.D., *Associate in French.*

A.B., Bryn Mawr College, 1907, and Ph.D., 1913. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1909-10, and Fellow in Romance Languages, 1912-13; President's European Fellow and Student, the Sorbonne, Collège de France, University of Grenoble, and in Madrid, 1910-12.

SAMUEL CLAGGETT CHEW, JR., PH.D., *Associate in English Literature.*

A.B., Johns Hopkins University, 1909, and Ph.D., 1913. Fellow, Johns Hopkins University, 1910-12; English Master, Hotchkiss School, Lakeville, Conn., 1913-14.

JEAN BAPTISTE BECK, PH.D., *Associate Professor of Mediæval French Literature.*

Guebwiller, Alsace. Baccalaureate in Rhetoric, Sorbonne, 1900; Baccalaureate in Philosophy, Sorbonne, 1901; Ph.D., University of Strassburg, 1907; State Examination *pro facultate docendi*, 1908. Professor of Latin and German in the Ecole Alsacienne, Paris, 1909; Director of Advanced Courses for Teachers in Gymnasias, University of Vienna, 1910; Professor of French Literature, Wiener Handels-Akademie, 1910; Assistant Professor of Romance Languages, University of Illinois, 1911-14; Instructor in Romance Languages and Literatures, University of Chicago, Summer Quarter, 1912.

SUSAN MYRA KINGSBURY, PH.D., *Carola Woerishoffer Professor (elect) of Social Economy and Director (elect) of the Carola Woerishoffer Department of Social Research.*

A.B., College of the Pacific, 1890; A.M., Leland Stanford Jr. University, 1899; Ph.D., Columbia University, 1905. University Fellow, Columbia University, 1902-03; Holder of the European Fellowship of the Women's Education Association, Boston, Mass., 1903-04; Instructor in History, Vassar College, 1904-05; Director of Investigation, Massachusetts Commission on Industrial and Technical Education, 1905-06; Instructor in History and Economics and Head of Departments, Simmons College, 1906-07; Assistant, Associate and Professor in Economics, Simmons College, and Director of the Department of Research, Women's Educational and Industrial Union, Boston, 1907-15.

ALBERT EDWIN AVEY, A.M., *Associate (elect) in Philosophy.*

A.B., Yale University, 1908, and A.M., 1909. Graduate Student, Yale University, 1908-09, 1913-15; University of Berlin, 1912-13; Assistant in Psychological Laboratory, Yale University, 1913-14, and Lecturer in Elementary Logic, Yale University, Spring Term, 1913-14.

SAMUEL ARTHUR KING, M.A., *Non-resident Lecturer in English Diction.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Elocution, Johns Hopkins University, 1901; Special Lecturer in Elocution, University of California, 1902.

GEORGIANA GODDARD KING, A.M., *Lecturer in the History of Art.*

A.B., Bryn Mawr College, 1896, and A.M., 1897. Fellow in Philosophy, Bryn Mawr College, 1896-97, and Fellow in English, 1897-98; Collège de France, First Semester, 1898-99.

FREDERICK ARCHIBALD DEWEY, S.B., *Lecturer in Economics and Sociology.*

S.B., Massachusetts Institute of Technology, 1910. University of Grenoble, Autumn Semester, 1904; University of Michigan, 1905-06; Graduate Student in Sociology, Columbia University, 1911-12, and University Fellow in Sociology, 1912-13.

RYHS CARPENTER, M.A., *Lecturer in Classical Archaeology.*

A.B., Columbia University, 1911; B.A., University of Oxford, 1911, and M.A., 1914. Rhodes Scholar and Student, Balliol College, University of Oxford, 1908-11; Driessler Fellow in Classics, Columbia University, 1911-13; Student, American School of Classical Studies in Athens, 1912-13.

EMIL CARL WILM,\* Ph.D., LL.D., *Lecturer in Philosophy.*

A.B., Southwestern University, 1902; A.M., Vanderbilt University, 1903; Ph.D., Cornell University, 1905. Professor of Philosophy, Washburn College, 1905-11; Assistant and Docent in Philosophy, Harvard University and Radcliffe College, 1911-12; Professor of Philosophy and Education, Wells College, 1912-14.

JANET TUCKER HOWELL,† Ph.D., *Lecturer in Physics.*

A.B., Bryn Mawr College, 1910; Ph.D., Johns Hopkins University, 1913. Helen Schaeffer Huff Research Fellow in Physics, Bryn Mawr College, 1913-14.

CHESTER ELIJAH KELLOGG,‡ Ph.D., *Lecturer in Psychology.*

A.B., Bowdoin College, 1911; A.M., Harvard University, 1912, and Ph.D., 1914. Assistant in French and Psychology, Bowdoin College, 1910-11; Austin Fellow, Harvard University, 1912-13, and Graduate Student, 1913-14.

CHARLES GHEQUIERE FENWICK, Ph.D., *Lecturer in Political Science.*

A.B., Loyola College, 1898; Ph.D., Johns Hopkins University, 1912. Student of Political Science, Johns Hopkins University, 1909-11; Law Clerk, Division of International Law in the Carnegie Endowment for International Peace, 1911-14; University of Freiburg, Summer, 1913; Lecturer on International Law, Washington College of Law, 1912-14.

JAMES MILLER LEAKE, Ph.D., *Lecturer in History.*

A.B., Randolph-Macon College, 1902; Ph.D., Johns Hopkins University, 1914. Instructor in French and English, Randolph-Macon College, 1901-03; Principal of Ashland High School, Ashland, Va., 1909-11; Johns Hopkins University, 1911-14; University Fellow, Johns Hopkins University, 1913-14.

PIERRE FRANÇOIS GIROUD, D.L., *Licencié-ès-Lettres, Non-resident Lecturer in French.*

Lyons, France. *Bachelier-ès-lettres*, University of France, 1874, and *Licencié-ès-lettres*, 1881; D.L., Temple University, 1914; Officier d'Académie, 1904; Officier de l'Instruction publique, 1905. Ecole des Hautes-Etudes, Chartreux, Lyons; Sorbonne, Collège de France, 1881-1885; Director, Ecole Ste. Marie, Chalon, 1886-1888; Teacher of French in the Delancey School, 1889-96, and in the Agnes Irwin School, Philadelphia, 1889-1915; in Girard College, Philadelphia, 1896-1912; Special Lecturer on French Literature, Johns Hopkins University, 1907-11; University of Pennsylvania, 1912-15; Cornell University (Summer School), 1913-14.

HOWARD JAMES SAVAGE,§ A.M., *Lecturer (elect) in English Literature and Rhetoric.*

A.B. Tufts College, 1907; A.M., Harvard University, 1909. Instructor in English, Tufts College, 1908-11; Instructor in English, Harvard University, 1911-13 and at Radcliffe College, 1912-15; Graduate Student, Harvard University, 1908-11, 1914-15; Harvard Summer School, 1912, 1913, 1914.

BENJAMIN FRANKLIN WALLIS,¶ Ph.D., *Lecturer (elect) in Geology.*

A.B., Johns Hopkins University, 1910, and Ph.D., 1915. Instructor in Science in the High School, Clifton, N. J., 1912-13; Instructor in Mineralogy and Petrology, Northwestern University, 1913-14; Hopkins Scholar, Johns Hopkins University, 1911-12, 1914-15.

ABBY KIRK, A.B., *Reader in Elementary Greek.*

A.B., Bryn Mawr College, 1892. Reader in English, Bryn Mawr College, 1892-98. Associate Principal and Teacher of English and Classics in the Misses Kirk's School, Bryn Mawr, 1899-1915.

\* Appointed as substitute for Professor Theodore de Leo de Laguna in 1914-15.

† Appointed as substitute for Professor James Barnes in 1914-15.

‡ Appointed as substitute for Professor James Leuba in 1914-15.

§ Appointed as substitute for Professor Lucy Martin Donnelly in 1915-16.

¶ Appointed as substitute for Professor Florence Bascom in 1915-16.



MARY JEFFERS, A.M., *Reader in German and Oral Examiner in French and German.*

A.B., Bryn Mawr College, 1895, and A.M., 1897. Graduate Student, Bryn Mawr College, 1895-98, 1903-04, 1906-07; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, 1895-98; Student at the Universities of Munich and Halle, 1898-99; Teacher of Latin and History in the Girls' Latin School, Baltimore, Md., 1900-01; Head of the Latin Department in the Misses Shipley's School, Bryn Mawr, 1899-1907; Student, University of Bonn, Summer of 1905; Private Tutor, 1892-1914; Supervisor of College Preparatory Department, Brantwood Hall, Bronxville, Lawrence Park, N. Y., 1905-07; Lecturer on European Travel, Miss Wright's School, 1904-15, and Teacher of Latin, 1911-15; French and German oral examiner, 1909-14.

EDNA ASTON SHEARER, Ph.D., *Reader in English.*

A.B., Bryn Mawr College, 1904, and Ph.D., 1914. Junior Fellow in Philosophy, Bryn Mawr College, 1904-05; Holder of the President's Fellowship and Student, Universities of Edinburgh and Aberdeen, 1905-06; Fellow in Philosophy, Bryn Mawr College, 1906-07; Teacher of English in the Baldwin School, Bryn Mawr, Pa., 1907-09, and Graduate Student, Bryn Mawr College, 1907-08.

MARY HAMILTON SWINDLER, Ph.D., *Reader in Latin and Reader and Demonstrator in Classical Archaeology.*

A.B., University of Indiana, 1905, and A.M., 1906; Ph.D., Bryn Mawr College, 1913. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Mary E. Garrett European Fellow and Student, Universities of Berlin and Oxford and the American School of Classical Studies in Athens, 1909-10; Teacher in the Misses Shipley's School, Bryn Mawr, 1910-11, and in Miss Wright's School, Bryn Mawr, 1911-12.

IDA LANGDON, Ph.D., *Reader in English.*

A.B., Bryn Mawr College, 1903; A.M., Cornell University, 1910, and Ph.D., 1912. Cornell University, 1909-12.

CHRISTINE POTTS HAMMER, A.B., *Reader in English.*

A.B., Bryn Mawr College, 1912.

ESTHER CLOUDMAN DUNN, A.B., *Reader in English.*

A.B., Cornell University, 1913.

JULIA PEACHY HARRISON, Ph.D., *Reader and Demonstrator in Chemistry.*

A.B., Richmond College, 1906, A.M., 1907, and B.S., 1909; Ph.D., Johns Hopkins University, 1913. Graduate Student, Johns Hopkins University, 1909-12; Teacher in the High School, Richmond, Va., 1907-08; Carnegie Research Assistant, Johns Hopkins University, 1912-13; Fellow in Chemistry, Bryn Mawr College, 1913-14.

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A.B., Columbia University, 1906, A.M., 1907, and Ph.D., 1913. Assistant in English, Barnard College, 1908-11; Special Fellow in English, Columbia University, 1911-12; Assistant in English, University Extension Department, Columbia University, 1913-14; Assistant in the Summer School, Columbia University, 1914.

ELLEN THAYER, A.B., *Reader in French.*

A.B., Bryn Mawr College, 1907. The Sorbonne, Paris, 1909-11. Teacher of French in Wolfe Hall, Denver, Colo., 1911-12.

CLARA WHITNEY CRANE, A.B., *Reader in English.*

A.B., Radcliffe College, 1914.

MARY EDITH PINNEY, A.M., *Demonstrator in Biology.*

A.B., Kansas State University, 1908, and A.M., 1910. Teaching Fellow in Zoology, Kansas State University, 1909-10, and High School Instructor, Alma, Kan., 1908-09; Fellow in Biology, Bryn Mawr College, 1910-11; President's European Fellow and Student, Universities of Bonn and Heidelberg and Zoological Station, Naples, 1911-12; Instructor in Zoology, Kansas State University, 1912-13.

HELEN TURNBULL GILROY, A.M., *Demonstrator in Physics.*

A.B., Bryn Mawr College, 1909, and A.M., 1912. Graduate Student and Student Assistant in the Physical Laboratory, Bryn Mawr College, 1910-11; Fellow in Physics, 1911-12; Instructor in Physics, Mt. Holyoke College, 1912-14.

DOROTHY OCHTMAN, A.B., *Demonstrator in the History of Art.*

A.B., Smith College, 1914.



## PHEBE ANNA THORNE MODEL SCHOOL.

MATILDE CASTRO, Ph.D., *Director and Teacher of English and History.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the Morris High School, Chicago, 1901-03; Instructor in Philosophy, Mt. Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12. Phebe Anna Thorne Associate Professor of Education, Bryn Mawr College.

KATE GORDON, Ph.D., *Teacher of Mathematics.*

Ph.B., University of Chicago, 1900, and Ph.D., 1903. Scholar in Pedagogy, University of Chicago, 1900-01, and Fellow in Philosophy, 1901-03; European Fellow of the Association of Collegiate Alumnae, 1903-04; Instructor in Ethics and Psychology, Mt. Holyoke College, 1904-05, and in Teachers' College, Columbia University, 1906-07; Substitute Professor of Philosophy, Mt. Holyoke College, Second Semester, 1911-12; Phebe Anna Thorne Associate Professor of Education, Bryn Mawr College.

SAMUEL ARTHUR KING, M.A., *Teacher of Reading.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Elocution, Johns Hopkins University, 1901; Special Lecturer in Elocution, University of California, 1902. Non-Resident Lecturer in English Diction, Bryn Mawr College.

EUNICE MORGAN SCHENCK, Ph.D., *Teacher of French.*

A.B., Bryn Mawr College, 1907, and Ph.D., 1913. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1909-10, and Fellow in Romance Languages, 1912-13; President's European Fellow and Student, the Sorbonne, Collège de France, University of Grenoble and Madrid, 1910-12. Associate in French, Bryn Mawr College.

PLACIDO DE MONTOLIU, *Teacher of Jaques-Dalcroze Eurythmics (Singing, Dancing).*

Graduate of the Jaques-Dalcroze College of Rhythmic Training, Hellerau, Germany.

CONSTANCE M. K. APPLEBEE, *Teacher of Gymnastics and Sports and Games.* Director of Gymnastics and Athletics, Bryn Mawr College.

MARY HAMILTON SWINDLER, Ph.D., *Teacher of Latin.*

A.B., University of Indiana, 1905, and A.M., 1906; Ph.D., Bryn Mawr College, 1913. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Mary E. Garrett European Fellow and Student, Universities of Berlin and Oxford and the American School of Classical Studies in Athens, 1909-10; Teacher in the Misses Shipley's School, Bryn Mawr, 1910-11, and in Miss Wright's School, Bryn Mawr, 1911-12. Reader in Latin, Bryn Mawr College.

FRANCES BROWNE, A.B., *Teacher of English, History and Geography.*

A.B., Bryn Mawr College, 1909. Teacher in the Psychological Clinic and in Orange Settlement, New York City, 1911-12; Teacher in the Organic School of Education, 1913-14.

ANNA WHITMAN CLARK, A.B., *Teacher of Elementary Science and Arithmetic.*

A.B., Vassar College, 1898. Private Assistant to Professor Brookover in Biological Laboratory, Colorado College, 1899-1900; Teacher of Science and Mathematics in Miss Butt's School, Norwich, Conn., 1906-11, and in Miss Walker's School, Lakewood, N. J., 1911-14; Summer Session, Teachers College, Columbia University, 1914.

VIRGINIA WRIGHT GARBER, *Teacher of Drawing and Modelling.*

Student, the Pennsylvania Museum and School of Industrial Art, the Philadelphia Academy of Fine Arts, and Pupil of Jules Lefebvre, Benjamin Constant, Professor Charles Roth, William M. Chase, Child Hassam, and Howard Pyle. Head of the White Gate Studios, Bryn Mawr, Pa., 1911-15.

GERTRUDE RAND, Ph.D., *Psychologist to the Phebe Anna Thorne Model School.*

A.B., Cornell University, 1908; Ph.D., Bryn Mawr College, 1913. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, 1911-12, Fellow in Philosophy, 1909-10. Fellow in Psychology, 1910-11, and Sarah Berliner Research Fellow, 1912-13. Associate in Educational and Experimental Psychology, Bryn Mawr College.

FLORENCE NICE BECKLEY, A.B., *Secretary to the Director.*

A.B., Vassar College, 1907. Simmons College, 1909-10. Secretary to the President, Newton Theological Institution, 1910-14.

## EXECUTIVE STAFF.

EDITH ORLADY, A.B., *Secretary of the College.*

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, Bryn Mawr College, 1903-06, 1907-09; Recording Secretary, 1910-12.

ABIGAIL CAMP DIMON, A.M., *Recording Secretary.*

A.B., Bryn Mawr College, 1896, and A.M., 1899. Vice-Principal of the High School, Clinton, N. Y., 1896-97; Assistant Teacher of English in the Utica Academy, 1897-98; Graduate Student, Bryn Mawr College, 1898-99; Tutor, 1900-01; Graduate Student and Warden of Radnor Hall, Bryn Mawr College, 1901-04; Teacher of Science in the Balliol School, Utica, 1904-05, and of Science and Mathematics, 1905-08; Teacher in the New School, Utica, 1908-09; Demonstrator in Biology, Bryn Mawr College, 1911, and Reader in Biology, 1911-12.

HELEN MAGEE, A.B., *Stenographer to the President.*

A.B., University of Michigan, 1914. Graduate Student in English Diction, Bryn Mawr College, 1915.

ADELAIDE M. HART, A.B., *Stenographer to the Dean of the College.*

A.B., Barnard College, 1909; Student, The Sorbonne, Paris, 1910; Private Secretary, 1911-14.

ELEANOR KARSTEN, PH.B., *Secretary to the Recording Dean.*

Ph.B., University of Chicago, 1910; Secretary to the Chief Investigator of the Bureau of Industries and Immigration, Department of Labor of the State of New York, 1911-12; Secretary to the Librarian and Lecturer in the Library School, University of Illinois, 1912-14.

ELLEN BEULAH LEWIS, A.B., *Stenographer to the Secretary of the College.*

A.B., Swarthmore College, 1906; Assistant to the Editor at the Commercial Museum, Philadelphia, 1906-13.

LOIS ANTOINETTE REED, A.B., B.L.S., *Librarian.*

A.B., University of Illinois, 1909; B.L.S., New York State Library School, 1904. Librarian, The Western College, Oxford, Ohio, 1905-07; Cataloguer and Order Department Assistant, Library of the University of Illinois, 1907-10; Assistant Librarian, University of Rochester, 1910-13.

HELEN COREY GEDDES, A.B., B.S., *Head Cataloguer.*

A.B., Radcliffe College, 1905; B.S., Simmons College, 1910. Library Assistant, University of Illinois, 1910-12.

BESSIE HOMER JENNINGS, *Assistant Cataloguer.*

Graduate, Drexel Institute Library School, 1900.

SARAH WOOSTER ENO, A.B., *Circulation and Reference Librarian.*

A.B., University of Illinois, 1908. Cataloguer, Library of the University of Pennsylvania, 1909-10; Librarian, Stetson University, 1910-12.

MARIAN PRICE, A.B., *Assistant to the Librarian.*

A.B., Vassar College, 1910. Drexel Institute Library School, 1910-11.

S. HELEN BURNS, A.M., *Assistant to the Circulation and Reference Librarian.*

Ph.B., Dickinson College, 1912, and A.M., 1914. Drexel Institute Library School, 1913-14.

MARTHA GIBBONS THOMAS, A.B., *Warden of Pembroke Hall.*

A.B., Bryn Mawr College, 1889.

RUTH BABCOCK, A.B., *Warden of Merion Hall.*

A.B., Bryn Mawr College, 1910. Teacher in Deerfield Academy, Deerfield, Mass., 1910-13.

MARGARET BONTECOU, A.B., *Warden of Denbigh Hall.*

A.B., Bryn Mawr College, 1909. Bryn Mawr European Fellow, 1909-10; Student, Universities of Munich and Oxford, 1910-11; Settlement Worker, Orange Social Settlement, 1912-13; Private Tutor and Secretary, 1913-14.

MARY FRANCES NEARING, A.B., *Warden of Rockefeller Hall.*

A.B., Bryn Mawr College, 1909. Teacher of English in St. Margaret's School, Waterbury, Conn., 1910-11; Secretary and Athletic Director, Miss Walker's School, Lakewood, N. J., 1911-13; Social Service Worker, Philadelphia, 1913-14.

BERTHA SOPHIE EHLERS, A.B., *Warden of Radnor Hall.*

A.B., Bryn Mawr College, 1909. Teacher of German in the Agnes Irwin School, Philadelphia, 1910-14; Reader in Elementary German, Bryn Mawr College, 1912-13.

ELIZABETH EVANS LORD, A.B., *Assistant to the Warden of Pembroke Hall.*

A.B., Bryn Mawr College, 1914.

MARGARET A. PROCTOR, A.B., *Junior Bursar.*

A.B., University of Toronto, 1906. Laboratory Assistant in Physiological Chemistry and Bacteriology, University of Toronto, 1906-08; Dietitian, Department of Public Charities, New York City, 1908-09; Assistant Manager, Whittier Hall Dining Rooms, Barnard College, 1909-10.

SANDY LEE HURST, *Comptroller.*

GENEVIEVE ESTELLE POTTER, *Bookkeeper and Assistant to the Comptroller.*

MABEL GRAY THOMAS, *Stenographer and Assistant Bookkeeper in the Comptroller's Office.*

LAURA LAURENSEN BYRNE, A.B., *Assistant Business Manager.*

A.B., Bryn Mawr College, 1912. Assistant Secretary, Federated Charities, Baltimore, Md., 1912-13; Private Tutor, 1913-14.

LOUISE WATSON, A.B., *Business Manager.*

A.B., Bryn Mawr College, 1912. Teacher in Marshall College, Huntington, W. Va., 1913-14.

JOHN J. FOLEY, *Superintendent of Mechanical Equipment.*

THOMAS F. FOLEY, *Superintendent of Buildings and Grounds.*

EDITH SHERWOOD, *Stenographer in the Business Manager's Office.*

Drexel Institute Secretarial School, 1911-12.

JANET B. HOUTZ, *Stenographer in the Business Manager's Office.*

Drexel Institute Secretarial School, 1913-14.

BERTHA SHORTLAND, *Telephone Clerk.*

CONSTANCE M. K. APPLEBEE, *Director of Athletics and Gymnastics and Supervisor of Health Department.*

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foeter High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, Summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mt. Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906.

CYNTHIA MARIA WESSON, A.M., *Assistant to the Director of Athletics and Gymnastics.*

A.B., Bryn Mawr College, 1909, and A.M., 1914. Graduate of the Sargent School for Physical Education, Boston, Mass., 1913.

MARY WARREN TAYLOR, *Secretary to the Department of Athletics and Gymnastics and Recording Secretary to the Health Department.*

THOMAS F. BRANSON, M.D., *Physician in Chief.*

A.B., Haverford College, 1889; M.D., University of Pennsylvania, 1892. Attending Physician, Bryn Mawr Hospital.



FRANCES R. SPRAGUE, B.L., M.D., *Assistant Physician of the College.*

B.L., University of California, 1886; M.D., Woman's Medical College of Pennsylvania, 1891. Visiting Physician and Surgeon, Children's Department, Children's Hospital of San Francisco, 1898-1910; Visiting Surgeon, Woman's Hospital of Pennsylvania, and Consulting Surgeon, West Philadelphia Hospital for Women; Practicing Physician, Bryn Mawr, Pa., 1910-15.

HELEN MURPHY, M.D., *Examining Oculist.*

M.D., Woman's Medical College of Pennsylvania, 1893; Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97.

The following physicians have consented to serve as consultants:

THOMAS McCRAE, M.D., F.R.C.P., 1627 Spruce Street, Philadelphia, *Consulting Physician.*

GEORGE DE SCHWEINITZ, M.D., 1705 Walnut Street, Philadelphia, *Consultant Oculist.*

ROBERT G. LE CONTE, M.D., 1625 Spruce Street, Philadelphia, *Consultant Surgeon.*

FRANCIS R. PACKARD, M.D., 302 S. Nineteenth Street, Philadelphia, *Consultant Aurist and Laryngologist.*

JAMES K. YOUNG, M.D., 222 S. Sixteenth Street, Philadelphia, *Consultant Orthopædist.*

G. C. DAVIS, M.D., 1814 Spruce Street, Philadelphia, *Consultant Orthopædist.*

### *The Academic Committee of the Alumnæ.*

CORNELIA VAN WYCK HALSEY, A.B. (Mrs. Frederic Rogers Kellogg), *(ex-officio)*, 31 Boyken Street, MORRISTOWN, N. J.

ANNA BELL LAWTHORP, A.B. (Chairman), 239 Seventeenth Street, DUBUQUE, IOWA.

KATHARINE LORD, A.B., PLYMOUTH, MASS.

SUSAN BRALEY FRANKLIN, PH.D., 33 Central Park West, NEW YORK CITY.

GERTRUDE HARTMAN, A.B., 15 Centre Street, BROOKLINE, MASS.

PAULINE DOROTHEA GOLDMARK, A.B., 270 West 94th Street, NEW YORK CITY.

SUSAN FOWLER, A.B., 420 West 118th Street, NEW YORK CITY.

KATHARINE SERGEANT, A.B., 4 Hawthorne Road, BROOKLINE, MASS.

### *Honorary Corresponding Secretaries.*

The following honorary corresponding secretaries, all of whom are graduates of Bryn Mawr College, have kindly consented to act as representatives of the college in the cities in which they live, and will at any time be glad to answer questions about the college.

NEW YORK CITY: MISS EMILY REDMOND CROSS, 405 Park Avenue.

PHILADELPHIA: MRS. ADOLPH E. BORJE, 4100 Pine Street.



- BALTIMORE: MRS. ANTHONY MORRIS CAREY, *1004 Cathedral Street.*
- PITTSBURGH, PA.: MRS. ALEXANDER JOHNSTON BARRON, *Glen Osborne, Pa.*
- SCRANTON, PA.: MISS ALICE BELIN, *447 Jefferson Avenue.*
- UTICA, N. Y.: MRS. ARTHUR PERCY SAUNDERS, *Clinton, N. Y.*
- NEW HAVEN, CONN.: MRS. CHARLES MCLEAN ANDREWS, *424 St. Roman Street.*
- FARMINGTON, CONN.: MRS. HERBERT KNOX SMITH.
- BOSTON, MASS.: MRS. INGERSOLL BOWDITCH, *19 Buckingham Street, Cambridge.*
- FALL RIVER, MASS.: MRS. RANDALL NELSON DUFEE, *19 Highland Avenue.*
- CHICAGO, ILL.: MRS. JAMES FOSTER PORTER, *Hubbard Woods, Ill.*
- INDIANAPOLIS, IND.: MRS. FRANK NICHOLS LEWIS, *42 East 32nd Street.*
- MADISON, WIS.: MRS. MOSES STEPHEN SLAUGHTER, *633 Francis Street.*
- MINNEAPOLIS, MINN.: MRS. HAROLD OLNEY HUNT, *22 West 25th Street.*
- ST. LOUIS, MO.: MRS. GEORGE GELLHORN, *4366 McPherson Avenue.*
- PORTLAND, ORE.: MRS. HENRY MINOR ESTERLY, *499 East 25th Street, North.*
- LOS ANGELES, CAL.: MISS ELIZABETH DANA MARBLE, *3201 Figueroa Street.*
- SALT LAKE CITY, UTAH: MISS KATE WILLIAMS, *177 13th East Street.*
- ENGLAND: THE HON. MRS. BERTRAND RUSSELL, *Ford Place, Arundel.*

## STUDENTS.

*Fellows and Graduate Students, Academic Year, 1914-15.*

- YVONNE STODDARD,.....*Bryn Mawr European Fellow.*  
Boston, Mass. Prepared by Miss Haskell and Miss Dean's School, Boston. First Bryn Mawr Matriculation Scholar for the New England States, 1906-07. A.B., Bryn Mawr College, 1913. Student, University of Oxford, 1915.
- VERNETTE LOIS GIBBONS, *Helen Schaeffer Huff Research Fellow in Physics.*  
Upton, Mass. Se.B., Mt. Holyoke College, 1896, and A.B., 1899; M.Sc., University of Chicago, 1907; M.Sc., University of the Cape of Good Hope, 1908. Teacher in the High School, Bernardstown, Mass., 1896-97; Assistant in Chemistry, Mt. Holyoke College, 1897-99, and Instructor in Chemistry, 1899-1901; Instructor in Chemistry and Mineralogy, Wells College, 1902-04, and Associate Professor of Chemistry, 1905-06; Lecturer and Head of Department of Chemistry, Huguenot College, Wellington, South Africa, 1907-11, and on leave of absence, 1911-12; Fellow in Chemistry, Bryn Mawr College, 1911-12; President's European Fellow and Student, University of Munich, 1912-13; and Graduate Student, Bryn Mawr College, 1913-14.
- MILDRED HARDENBROOK,.....*Fellow in Greek.*  
Valatie, N. Y. A.B., Vassar College, 1908, and A.M., 1909. Graduate Scholar in Greek, Bryn Mawr College, 1911-12, 1913-14.
- MARY AMELIA GRANT,.....*Fellow in Latin.*  
Topeka, Kans. A.B., University of Kansas, 1913, and A.M., 1914.
- ELIZABETH BEATRICE DAW,.....*Fellow in English.*  
Spottswood, N. J. A.B., Vassar College, 1909, and A.M., University of Pennsylvania, 1910. Reader in English, Bryn Mawr College, 1912-14.
- ALICE PHILENA FELICIA HUBBARD,.....*Fellow in Romance Languages.*  
Austin, Tex. B.S., University of Texas, 1900, and A.M., 1902. University of Chicago Summer School, 1904, 1905. Fellow in Spanish, University of Texas, 1899-1902; Tutor in Spanish, University of Texas, 1902-08, and Instructor in Spanish, 1908-13; Graduate Student, Bryn Mawr College, 1913-14.
- LOUISE PETTIBONE SMITH,.....*Fellow in Semitic Languages.*  
Winchester Centre, Conn. A.B., Bryn Mawr College, 1908. Instructor in Hardin College, Mexico, Mo., 1908-11; Graduate Scholar in Semitic Languages, Bryn Mawr College, 1911-12; Fellow in Semitic Languages, 1912-13; Thayer Fellow and Student, American School of Oriental Studies, Jerusalem, 1913-14.
- LILY FRANCES TREVETT,.....*Fellow in History.*  
Glen Allen, Va. A.B., Richmond College, 1909; A.M., Johns Hopkins University, 1913. Teacher of Mathematics, High School, Barton Heights, Va., 1909-11; Graduate Student, Johns Hopkins University, 1911-13; Teacher of History and Mathematics, Lee-Maury High School, Bowling Green, Va., 1913-14.
- MARJORIE LORNE FRANKLIN,.....*Fellow in Economics.*  
New York City. A.B., Barnard College, 1913. Graduate Scholar in Economics, Bryn Mawr College, 1913-14.
- HELEN HUSS PARKHURST,.....*Fellow in Philosophy.*  
Englewood, N. J. A.B., Bryn Mawr College, 1911, and A.M., 1913. Teacher in the Dwight School, Englewood, 1911-12; Graduate Scholar in Philosophy, Bryn Mawr College, 1912-13; President's European Fellow and Student, University of Cambridge, 1913-14.
- MARION ALMIRA BILLS,.....*Fellow in Psychology.*  
Allegan, Mich. A.B., University of Michigan, 1908. Teacher in the Public School, Allegan, 1909-11; Graduate Scholar in Psychology, Bryn Mawr College, 1911-13, and Fellow in Psychology, 1913-14.
- FERN HELEN RUSK,.....*Fellow in Archaeology.*  
Columbia, Mo. A.B., University of Missouri, 1913, and A.M., 1914; Graduate Student, University of Missouri, 1913-14.

- MARY GERTRUDE HASEMAN,.....*Fellow in Mathematics.*  
 Linton, Ind. A.B., University of Indiana, 1910. Professor of Mathematics in Vincennes University, 1910-11; Graduate Scholar in Mathematics, Bryn Mawr College, 1911-13, and Fellow in Mathematics, 1913-14.
- MARGUERITE WILLCOX,.....*Fellow in Chemistry.*  
 Oxford, N. Y. A.B., Mt. Holyoke College, 1913. Graduate Scholar in Chemistry, Bryn Mawr College, 1913-14.
- MARTHA DEETTE ROLFE,.....*Fellow in Geology.*  
 Champaign, Ill. B.S., University of Illinois, 1900, and A.M., 1904. Instructor in Science in Illinois Woman's College, 1905-10, and Professor of Physiography, 1908-10; Graduate Student, University of Illinois, 1913-14.
- GRACE MEDES,.....*Fellow in Biology.*  
 Kansas City, Mo. A.B., Kansas State University, 1904, and A.M., 1913. Fellow in Biology, Bryn Mawr College, 1913-14.
- EUGENIE BEERMANN,.....*German Graduate Scholar.*  
 Münster in Westfalen, Germany. Student, University of Munich, Summer Semester, 1913; University of Marburg, 1913-14.
- YVONNE TERTOIS,.....*French Graduate Scholar.*  
 Paris, France. Student in the Lycée Victor Hugo, 1901-07, and in the Lycée Fénelon, Paris, 1907-11. Certificat d'aptitudes à l'enseignement des sciences, 1902. Professor of Science in the College of Armentières, 1913-14, on leave of absence, 1914-15.
- MARY ELIZABETH BARNICLE,.....*Graduate Scholar in English.*  
 Providence, R. I. A.B., Brown University, 1913. Teacher in Evening School, Providence, 1910-11; Graduate Scholar in English, Bryn Mawr College, 1913-14.
- MARGUERITE GOLD BARTLETT,.....*Graduate Scholar in History.*  
 Philadelphia. A.B., Bryn Mawr College, 1913. Head of Department of English, Darlington Seminary, West Chester, Pa., 1913-14.
- RUTH ELIZABETH BAUER,.....*Graduate Scholar in English.*  
 Topeka, Kans. A.B., Washburn College, 1913. Assistant in English and Graduate Student, Washburn College, 1913-14.
- LOUISE GOEBEL BECK,.....*English and French.*  
 Bryn Mawr, Pa. A.B., University of Illinois, 1912. Substitute Teacher of German, Civics, and Algebra in the High School, Champaign, Ill., 1912-13.
- MARIA GEORGINA BIDDLE,.....*Physics, Chemistry, and Biology.*  
 Philadelphia. A.B., Bryn Mawr College, 1910.
- MARGARET BONTECOU,.....*History.*  
 Orange, N. J. A.B., Bryn Mawr College, 1909. Bryn Mawr European Fellow, 1909-10. Student, Universities of Munich and Oxford, 1910-11; Settlement Worker, Orange Social Settlement, 1912-13; Secretary and Private Tutor, 1913-14; Warden of Denbigh Hall, 1914-15.
- ROSE BRANDON,.....*Graduate Scholar in Geology.*  
 Butler, Pa. A.B., Bryn Mawr College, 1914.
- DOROTHY MILES BROWN, *Susan B. Anthony Memorial Scholar in Political Theory and Graduate Scholar in Economics.*  
 East Lansing, Mich. A.B., University of Michigan, 1911, and A.M., 1914. Teacher of English in the High School, Portland, Mich., 1911-12, and in the High School, Sault Ste Marie, Mich., 1912-13; Graduate Student, University of Michigan, 1913-14.
- VERA LEE BROWN,....*Graduate Scholar and Fellow by Courtesy in History.*  
 New Brunswick, Canada. B.A., McGill University, 1912, and M.A., 1913. Graduate Scholar in History, Bryn Mawr College, 1913-14.
- FRANCES BROWNE,.....*Education.*  
 New York City. A.B., Bryn Mawr College, 1909. Teacher in the Psychological Clinic and in Orange Settlement, New York City, 1911-12; Teacher in the Organic School of Education, 1913-14; Teacher of English, History and Geography in the Phoebe Anna Thorne Model School, 1914-15.

SARAH HELEN BURNS,.....*History of Art.*

West Chester, Pa. Ph.B., Dickinson College, 1912 and A.M., 1914. Drexel Institute Library School, 1913-14; Assistant to the Circulation and Reference Librarian, Bryn Mawr College, 1914-15.

ALICE HILL BYRNE,.....*Graduate Scholar in Latin.*

Lancaster, Pa. A.B., Wellesley College, 1908. Teacher of Latin and Greek in the Union High School, Coleraine, Pa., 1894-96, and Principal, 1899-1900; in Mrs. Blackwood's School, Lancaster, 1896-99, and 1900-01; Associate Principal and Teacher of Latin and Greek in Miss Stahr's School, Lancaster, 1901-05; Principal of the Shippin School, Lancaster, 1905-09; Teacher of Latin and Greek in Miss Hill's School, Philadelphia, 1909-11; Graduate Student, Bryn Mawr College, 1908-10, 1911-14, and Graduate Scholar in Greek, 1910-11; Teacher of Latin and Greek in the Baldwin School, Bryn Mawr, 1911-12, 1913-15, and in charge of the Lower School, 1912-13.

GERTRUDE HILDRETH CAMPBELL,

*Graduate Scholar and Fellow by Courtesy in English.*

Providence, R. I. A.B., Brown University, 1911, and A.M., 1912. Tutor in English, Brown University, 1912; Graduate Scholar in English, Bryn Mawr College, 1912-13, and Fellow in English, 1913-14.

ANNA WHITMAN CLARK,.....*English, Education, Physics and Biology.*

Binghamton, N. Y. A.B., Vassar College, 1898. Private Assistant to Professor Brookover in Biological Laboratory, Colorado College, 1899-1900; Teacher of Science and Mathematics in Miss Butt's School, Norwich, Conn., 1906-11, and in Miss Walker's School, Lakewood, N. J., 1911-14; Summer Session, Teacher's College, Columbia University, 1914; Teacher of Elementary Science and Arithmetic in the Phebe Anna Thorne Model School, 1914-15.

RUBY DAVIS,.....*Hebrew.*

Lansdowne, Pa. A.B., Earlham College, 1903. Earlham Graduate Scholar, Bryn Mawr College, 1903-04; Teacher of German in the Westtown Boarding School, Westtown, Pa., 1904-12; Teacher of German and Scripture in the Friends' Select School, Philadelphia, 1912-15.

ELSIE DEEMS,.....*Graduate Scholar in Italian and Comparative Literature.*

Pocantico Hills, N. Y. A.B., Bryn Mawr College, 1910. Teacher and Vice-Principal in the Union Free School, Pocantico Hills, N. Y., 1911-13; Teacher of English in the Brearley School, New York City, 1913-14.

CHARLOTTE D'EVELYN,.....*Graduate Scholar in English.*

San Francisco, Cal. B.L., Mills College, 1911; University of California, Summer, 1912. Teacher in the Public Schools, Bloomington, Idaho, Jan.-Jun., 1912, and in Sanger, Cal., 1912-13; Graduate Scholar in English, Bryn Mawr College, 1913-14.

SUSAN JANNEY DEWEES,.....*Hebrew.*

Haverford, Pa. A.B., Bryn Mawr College, 1900. Assistant Bursar, Bryn Mawr College, 1900-01; Teacher in the Haverford Primary School, 1901-03; Student of Domestic Science, Drexel Institute, Philadelphia, 1903-04; Collector for Octavia Hill Association, 1904-11; General Secretary, Westtown Old Scholars Association, 1911-15.

ELIZABETH DEWEY,.....*French.*

Bryn Mawr, Pa. A.B., Bryn Mawr College, 1914.

HELEN MARY DONNELLY,.....*Graduate Scholar in Latin.*

St. Louis, Mo. A.B., Washington University, 1914.

CAROLINE AUSTIN DUROR,.....*Graduate Scholar in Geology.*

New York City. B.S., Barnard College, 1914.

HELEN CLARE EAST,.....*Guilford College Scholar.*

Eastport, N. Y. A.B., Guilford College, 1914.

BERTHA SOPHIE EHLERS,.....*History.*

Philadelphia. A.B., Bryn Mawr College, 1909. Teacher of German in the Agnes Irwin School, Philadelphia, 1910-14; Reader in Elementary German, Bryn Mawr College, 1912-13; Warden of Radnor Hall, 1914-15.

SARAH WOOSTER ENO,.....*English and French.*

Charlotte, Vt. A.B., University of Illinois, 1908. New York State Library School, 1908-09. Cataloguer, Library of the University of Pennsylvania, 1909-10; Librarian, Stetson University, 1910-12; Circulation and Reference Librarian, Bryn Mawr College, 1914-15.



- MARY ELIZA FAWCETT,.....*English and French.*  
 Kenilworth, Ill. A.B., Ohio State University, 1907; A.M., University of Illinois, 1909.  
 Instructor in English, University of Illinois, 1907-10, and Acting Dean of Women, 1910-13; Student, University of Oxford, 1913-14.
- GRACE FRANK,.....*French.*  
 Bryn Mawr, Pa. A.B., University of Chicago, 1906.
- HELEN COREY GEDDES,.....*English.*  
 Allston, Mass. A.B., Radcliffe College, 1905; B.S., Simmons College, 1910. Library Assistant, University of Illinois, 1910-12; Head Cataloguer, Bryn Mawr College, 1912-15.
- LAURA MAY GILDNER,.....*Greek, Latin, French, and Archaeology.*  
 Philadelphia. A.B., Cornell University, 1906. Teacher of Latin, French and Mathematics in the Seminary, Newport News, Va., 1896-1901; Student of Music, 1907-09; Private Tutor in Miss Jacobi's School, New York City, 1909-14; Teacher of Latin and Mathematics in the Round's School, Brooklyn, New York City, 1913-14.
- HELEN TURNBULL GILROY,.....*Mathematics.*  
 Philadelphia. A.B., Bryn Mawr College, 1909, and A.M., 1912. Graduate Student and Student Assistant in the Physical Laboratory, Bryn Mawr College, 1910-11; Fellow in Physics, 1911-12; Instructor in Physics, Mt. Holyoke College, 1912-14.
- SARAH NEWTON HALLETT,.....*Graduate Scholar in History.*  
 Providence, R. I. A.B., Brown University, 1901. Graduate Student, Brown University, 1905-06, 1909-10.
- MARY ALICE HANNA, *Graduate Scholar and Fellow by Courtesy in History.*  
 Trenton, Mo. A.B., University of Missouri, 1909, and B.S., 1911. Teacher in the High School, Vandalia, Mo., 1909-11; Graduate Student, Bryn Mawr College, 1911-12, and Fellow in History, 1912-13; Mary E. Garrett European Fellow and Research Student in the British Museum, 1913-14.
- VIRGINIA HARDIN,.....*Graduate Scholar in Psychology.*  
 Denver, Colo. A.B., University of Colorado, 1914.
- FLORENCE MAY HARPER,.....*Graduate Scholar in Romance Languages.*  
 Seattle, Wash. B.L., Mills College, 1913.
- DOROTHY PALMER HULL,.....*Graduate Scholar in Greek.*  
 Providence, R. I. A.B., Brown University, 1914.
- FLORENCE CATHERINE IRISH,.....*History.*  
 Norristown, Pa. A.B., Bryn Mawr College, 1914.
- ELIZABETH HENRIETTA JOHNSTON,.....*Graduate Scholar in Chemistry.*  
 Carlisle, Pa. A.B., Bryn Mawr College, 1912. Teacher of Mathematics and Chemistry in Penn Hall, Chambersburg, Pa., 1912-14.
- JEANNETTE KEARNEY,.....*Graduate Scholar in Latin.*  
 Racine, Wis. A.B., University of Wisconsin, 1914.
- LENORE MILLICENT LITTLE,.....*Economics and Politics.*  
 Hartford, Conn. A.B., Smith College, 1911. Clerk to the State Board of Education, Hartford, 1911-14; Stenographer to the President, Bryn Mawr College, 1914-15.
- ELIZABETH EVANS LORD,.....*Psychology and Education.*  
 Plymouth, Mass. A.B., Bryn Mawr College, 1914. Assistant to the Warden of Pembroke Hall, 1914-15.
- HELEN MAGEE,.....*English.*  
 Easton, Pa. A.B., University of Michigan, 1914. Stenographer to the President, Bryn Mawr College, 1915.
- RUTH ELIZABETH MARSHALL,.....*History and Economics and Politics.*  
 Minneapolis, Minn. A.B., University of Minnesota, 1913, and A.M., 1914.
- BERTHA MCCracken,.....*Penn College Scholar.*  
 Holquin, Cuba. B.S., Penn College, 1914. Teacher of Domestic Science in the Penn College Summer School, 1914.

JESSIE ELIZABETH MINOR,.....*Graduate Scholar in Chemistry.*  
 Springfield, Mo. B.S., Drury College, 1904. Graduate Student, University of Chicago, Summer 1906, 1907, and University of Pennsylvania, 1908-10. Substitute Professor of Chemistry, Drury College, 1906-08; Professor of Chemistry, Huguenot College, Wellington, S. Africa, 1911-14.

MARY FRANCES NEARING,.....*English.*  
 Philadelphia. A.B., Bryn Mawr College, 1909. Teacher of English in St. Margaret's School, Waterbury, Conn., 1910-11; Secretary and Athletic Director, Miss Walker's School, Lakewood, N. J., 1911-13; Social Service Worker, Philadelphia, 1913-14; Warden of Rockefeller Hall, 1914-15.

DOROTHY OCHTMAN,.....*English, History of Art, and Archæology.*  
 Cos Cob, Conn. A.B., Smith College, 1914. Demonstrator in the History of Art, Bryn Mawr College, 1914-15.

GLADYS OPAL PARKS,.....*Earlham College Scholar.*  
 Eaton, O. A.B., Earlham College, 1914.

RUTH PERKINS,.....*Graduate Scholar in German.*  
 Abington, Mass. A.B., Wellesley College, 1912; A.M., Radcliffe College, 1913. Assistant in German and Latin in the High School, Belchertown, Mass., 1913-14.

MARY EDITH PINNEY,.....*Biology.*  
 Wilson, Kans. A.B., Kansas State University, 1908, and A.M., 1910. Teacher in High School, Alma, Kans., 1908-09; Teaching Fellow in Zoology, Kansas State University, 1909-10; Fellow in Biology, Bryn Mawr College, 1910-11; President's European Fellow and Student, Universities of Bonn and Heidelberg and Zoological Station, Naples, 1911-12; Instructor in Zoology, Kansas State University, 1912-13; Demonstrator in Biology, and Fellow by Courtesy in Biology, Bryn Mawr College, 1913-14, and Demonstrator in Biology, 1914-15.

CHRISTINE FREDRIKA POSSE,.....*English, History, and Archæology.*  
 Chicago, Ill. S.B., University of Chicago, 1912.

JESSIE LUNT PREBLE,.....*Graduate Scholar in Philosophy.*  
 Berkeley, Cal. A.B., University of California, 1913. Graduate Student, Bryn Mawr College, 1913-14.

ELEANOR FERGUSON RAMBO,.....*Graduate Scholar in Archæology.*  
 Philadelphia. A.B., Bryn Mawr College, 1908, A.M., 1909. Scholar in Greek, Bryn Mawr College, 1908-09; Graduate Student in Latin, 1909-10, and in Archæology, 1911-12; Teacher of Mathematics in the Misses Kirk's School, Bryn Mawr, 1909-10; Private Tutor, 1910-11; Teacher of Latin in Miss Wright's School, Bryn Mawr, and Private Tutor, 1911-15.

EMMA SELLERS ROBERTSON,.....*French.*  
 Philadelphia. A.B., Bryn Mawr College, 1913. Teacher of French in The Chatham Episcopal Institute, Chatham, Va., 1913-14, and in Miss Cruice's School, Philadelphia, and in Miss Roney's School, Philadelphia, 1914-15.

HELEN AUSTIS SARGENT,.....*Greek and Latin.*  
 Jasper, N. Y. A.B., Oberlin College, 1900, and A.M., 1905. Chicago University, Summer Quarter, 1902. Teacher of English, German, and Classics, York Collegiate Institute, York, Pa., 1900-02; Head of Classical Department, Huguenot College, Wellington, S. Africa, 1903-15; on leave of absence 1914.

JOSEPHINE DUNLAP SUTTON,.....*Graduate Scholar in English.*  
 New London, Conn. A.B. and B.S., University of Missouri, 1913. Teacher of English, Ancient History, and Geography in the Free Academy, Norwich, Conn., 1913-14.

ELLEN THAYER,.....*French.*  
 London, England. A.B., Bryn Mawr College, 1907. Student at the Sorbonne, 1909-11; Teacher of French in Wolfe Hall, Denver, Col., 1911-12; Reader in French, Bryn Mawr College, 1914-15.

VERA TRITPOE,.....*English, Education, and Mathematics.*  
 Fortville, Ind. A.B., De Pauw University, 1912. Assistant Principal and Teacher of Latin and Botany in the High School, Decker, Ind., 1912-13, and in the High School, Castleton, Ind., 1913-14.

- ANNE GARRETT WALTON,.....*Hebrew*.  
Media, Pa. A.B., Bryn Mawr College, 1909. \* Teacher of English and Greek in the  
Friends' Select School, Philadelphia, 1910-13; Private Tutor, 1914-15.
- ALBERTA HINKLE WARNER,.....*Law*.  
Duffryn Mawr, Pa. A.B., Bryn Mawr College, 1905. Student of Music, University of  
Pennsylvania, 1907-09; Teacher of English in the National School of Elocution, Phila-  
delphia, 1908-12.
- ELIZABETH DIXON WILSON,.....*Chemistry and Physics*.  
Lansdowne, Pa. A.B., Bryn Mawr College, 1908.

### *Undergraduate Students, Academic Year, 1914-15.*

- ABERNETHY, FLORENCE ROSAMOND,  
*Group, Latin and Ancient History, 1911-15.*  
Bryn Mawr, Pa. Prepared by the Lower Merion High School, Ardmore, Pa.
- ALBERTSON, MARY,  
*Group, Modern History and Economics and Politics, 1911-15.*  
Magnolia, N. J. Prepared by the Friends' Central School, Philadelphia.
- ALDEN, RUTH WESTON,  
*Group, Modern History and History of Art, 1912-15.*  
Rochester, N. Y. Prepared by the Baldwin School, Bryn Mawr, Pa., and by private  
tuition.
- ALEXANDER, HELEN DUNCAN,.....*Group, ———, 1914-15.*  
Philadelphia. Prepared by Miss Chapman and Mrs. Jones's School, Chestnut Hill, Phila-  
delphia, and by the Irwin School, Philadelphia. Barnard College, 1913-14.
- ALLEN, MARY WARE,.....*Group, ———, 1914-15.*  
Bonita, Cal. Prepared by the High School, National City, California, and by private  
tuition.
- ALLEN, RUTH LINTON,.....*Group, ———, 1913-15.*  
La Fayette, Ala. Prepared by the Margaret Allen School, Birmingham, Ala., and by  
the Misses Shipley's School, Bryn Mawr, Pa.
- ALLPORT, HARRIET HUBBARD,  
*Group, Modern History and ———, 1913-15.*  
Chicago, Ill. Prepared by the University School for Girls, Chicago. University of Chicago,  
1912-13.
- ANDERTON, VIRGINIA WALLIS,.....*Group, ———, 1914-15.*  
Milwaukee, Wis. Prepared by Milwaukee-Downer Seminary, Milwaukee, and by the  
Misses Kirk's School, Bryn Mawr, Pa.
- ANDREWS, MARY BARTOW,.....*Group, Chemistry and Biology, 1913-15.*  
Englewood, N. J. Prepared by the High School, Englewood, and by the Misses Shipley's  
School, Bryn Mawr, Pa.
- ASH, RACHEL,.....*Group, Chemistry and Biology, 1911-15.*  
Philadelphia. Prepared by the Girls' High School, Philadelphia. City Scholar, 1911-12,  
and Trustees' Philadelphia Girls' High School Scholar, 1912-15.
- ATHERTON, ELEANOR RIGGS,.....*Group, ———, 1914-15.*  
Wilkes Barre, Pa. Prepared by the Wilkes Barre Institute, Wilkes Barre.
- BABBITT, MARY EVELYN,.....*Group, ———, 1914-15.*  
Haverford, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa., and by the  
Westtown Boarding School, Westtown, Pa.
- BACON, MARGARET HOWELL, . . . *Group, Chemistry and Biology, 1914-15.*  
Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia, and by the  
Westtown Boarding School, Westtown, Pa.



- BAILEY, MARTHA,.....Group, ———, 1914-15.  
Harrisburg, Pa. Prepared by Miss Seiler's School, Harrisburg, and by St. Timothy's School, Catonsville, Md.
- BAIN, OLIVE LOVE,.....Group, ———, 1914-15.  
New York City. Prepared by the Veltin School, New York City.
- BAKER, VIRGINIA,.....Group, *Latin and Ancient History*, 1912-15.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- BARNETT, GLADYS MARY,.....Group, ———, 1914-15.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1914-15.
- BARNETT, HAZEL KATHRYN, *Group, French and Modern History*, 1911-15.  
Bedford, Pa. Prepared by the High School, Bedford.
- BARNETT, HELEN MARY,.....Group, *Geology and Biology*, 1912-15.  
Bedford, Pa. Prepared by the High School, Bedford, and by the Misses Kirk's School, Bryn Mawr, Pa.
- BARRETTE, KATHARINE BIDDLE,  
*Group, Italian and Spanish and ———*, 1913-15.  
Fort Howard, Md. Prepared by the Waynelete School, Portland, Me., by Ashley Hall, Charleston, S. C., by Packer Collegiate Institute, Brooklyn, N. Y., and by the Bryn Mawr School, Baltimore, Md.
- BATCHELDER, KATHRYNE CHASE,  
*Group, Modern History and Economics and Politics*, 1912-15.  
Faribault, Minn. Prepared by the High School, Faribault. University of Minnesota, 1911-12.
- BEARDWOOD, ALICE,.....Group, *German and ———*, 1913-15.  
Philadelphia. Prepared by the Girls' High School, Philadelphia.
- BELVILLE, SIDNEY OTT,.....Group, *Latin and ———*, 1914-15.  
Germantown, Philadelphia. Prepared by the Friends' School, Germantown.
- BENSBERG, BETSY BROOKE BRIGHT,  
*Group, Modern History and Economics and Politics*, 1912-15.  
St. Louis, Mo. Prepared by Penn Hall, Chambersburg, Pa., and by private tuition and by the Misses Kirk's School, Bryn Mawr, Pa.
- BIRD, DORIS MARIE,.....Group, *Latin and ———*, 1913-15.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1913-15.
- BLANC, ZENA JENNIE,  
*Group, Mathematics and Philosophy and Psychology*, 1911-15.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Charles E. Ellis Scholar, 1911-12; additional James E. Rhoads Sophomore Scholar and Special Scholar, 1912-13; Mary E. Stevens Junior Scholar and Special Scholar, 1913-14; Special Maria Hopper Scholar, 1914-15.
- BLODGETT, KATHARINE BURR, *Group, Mathematics and Physics*, 1913-15.  
New York City. Prepared by the Misses Rayson's School, New York City. First New York, New Jersey and Delaware Matriculation Scholar, 1913-14.
- BOOTH, ANNA MARTHA,.....Group, *English and ———*, 1914-15.  
Philadelphia. Prepared by the Girls' High School, Philadelphia.
- BORN, THERESE MATHILDE,.....Group, ———, 1914-15.  
Indianapolis, Ind. Prepared by Tudor Hall, Indianapolis. Bryn Mawr Matriculation Scholar for the Western States, 1914-15.
- BOYD, MARY,.....Group, *Modern History and ———*, 1913-15.  
New York City. Prepared by the Veltin School, New York City.



BOYER, FRANCES ELIZABETH,

*Group, Latin and Classical Archaeology, 1911-15.*

Pottsville, Pa. Prepared by the High School, Pottsville, and by the Dwight School, Englewood, N. J.

BRADFORD, HARRIET, . . . . . *Group, Latin and English, 1911-15*

San Francisco, Cal. Prepared by the Lowell High School, San Francisco.

BRADLEY, FRANCES SLADEN, . . . . . *Group, Latin and English, 1912-15.*

Panama Canal Zone. Prepared by Portland Academy, and by St. Helen's Hall, Portland, Ore., and by the Baldwin School, Bryn Mawr, Pa.

BRADWAY, MARGARET SAEGER,

*Group, French and Modern History, 1911-15.*

Haverford, Pa. Prepared by the Moses Brown School, Providence, R. I.

BRAKELEY, ELIZABETH, . . . . . *Group, Mathematics and Chemistry, 1912-15*

Freehold, N. J. Prepared by the High School, Freehold, and by the Baldwin School, Bryn Mawr, Pa.

BRANDEIS, SUSAN,

*Group, Modern History and Economics and Politics, 1911-15*

Boston, Mass. Prepared by the Winsor School, Longwood, Mass.

BRANSON, LAURA ELIZABETH, . . . . *Group, Latin and Mathematics, 1911-15.*

Coatesville, Pa. Prepared by the High School, Coatesville.

BRANSON, MARY GARRETT, . . . . *Group, Mathematics and Physics, 1912-15.*

Rosemont, Pa. Prepared by Miss Wright's School, Bryn Mawr, Pa., and by the Westtown Boarding School, Westtown, Pa.

BRIDGE, ISABELLE, . . . . . *Group, German and Modern History, 1912-15.*

Evanston, Ill. Prepared by the Evanston Academy, Evanston, and by the Misses Shipley's School, Bryn Mawr, Pa. Northwestern University, 1911-12.

BROWN, ANNA HAINES,

*Group, Modern History and Economics and Politics, 1911-15.*

Philadelphia. Prepared by Miss Sayward's School, Philadelphia, and by private tuition.

BROWN, LOVIRA CHAPIN, . . . . *Group, French and Modern History, 1913-15.*

Greenwich, Conn. Prepared by Rosemary Hall, Greenwich.

BROWNELL, MARY GERTRUDE,

*Group, English and Italian and Spanish, 1911-15.*

Providence, R. I. Prepared by Miss Wheeler's School, Providence, by St. Timothy's School, Catonsville, Md., and by private tuition.

BRYANT, CATHARINE REQUA,

*Group, Modern History and Economics and Politics, 1911-15.*

Chicago, Ill. Prepared by the Loring School, Chicago.

BRYANT, GLADYS, . . . . . *Group, ———, 1913-15.*

Cohasset, Mass. Prepared by the Winsor School, Longwood, Mass.

BRYNE, EVA ALICE WORRALL, . . . . *Group, Latin and English, 1912-15.*

Philadelphia. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1912-15; James E. Rhoads Sophomore Scholar, 1913-14; James E. Rhoads Junior Scholar, 1914-15.

BUCHANAN, ETHEL, . . . . . *Group, Latin and French, 1911-15.*

Philadelphia. Prepared by the High School, Bridgeport, Conn.

BUFFUM, FRANCES, . . . . *Group, Economics and Politics and ———, 1914-15.*

Cohasset, Mass. Prepared by the High School, Cohasset, and by private tuition.

BURCHARD, AGNES ELIZABETH, . . . . *Group, French and Spanish, 1911-15.*

New York City. Prepared by the Veltin School, New York City.

BURT, ALENE, . . . . . *Group, Spanish and History of Art, 1912-15.*

New York City. Prepared by the Veltin School, New York City.

BUTTERFIELD, HELEN IOLA,.....*Group*, ———, 1914-15.  
New York City. Prepared by Miss Madeira's School, Washington, D. C., and by the  
Misses Kirk's School, Bryn Mawr, Pa.

CARROLL, HELOISE,.....*Group, Philosophy and Psychology*, 1913-15.  
Asheville, N. C. Prepared by the Asheville School for Girls, Asheville, and by the Misses  
Shipley's School, Bryn Mawr, Pa.

CASSEL, GLADYS HAGY,.....*Group, Latin and English*, 1914-15.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia  
Girls' High School Scholar, 1914-15.

CASSELBERRY, CATHARINE,  
*Group, Modern History and Economics and Politics*, 1913-15.  
Chicago, Ill. Prepared by the University School for Girls, Chicago, and by Miss Wright's  
School, Bryn Mawr, Pa.

CHAMBERLAIN, MARY MITCHELL, *Group, Chemistry and Biology*, 1911-15.  
West Raleigh, N. C. Prepared by St. Mary's School, West Raleigh.

CHANDLER, MARIE JULIA,.....*Group, Latin and* ———, 1914-15.  
Rutland, Vt. Prepared by the High School, Rutland, and by the Misses Kirk's School,  
Bryn Mawr, Pa.

CHAPIN, HELEN BURWELL,  
*Group, Chemistry and Biology*, 1910-11, 1912, 1912-15.  
St. David's, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa. Anna M. Powers  
Memorial Scholar, 1914-15.

CHASE, HELEN STARKWEATHER,  
*Group, Modern History and French*, 1912-15.  
Waterbury, Conn. Prepared by St. Margaret's School, Waterbury, and by Miss Spence's  
School, New York City.

CHASE, LUCIA HOSMER,.....*Group, Greek and Italian and Spanish*, 1913-15.  
Waterbury, Conn. Prepared by St. Margaret's School, Waterbury.

CHASE, MARGARET,  
*Group, Modern History and Economics and Politics*, 1912-15.  
Titusville, Pa. Prepared by the High School, Titusville, and by Miss Wright's School,  
Bryn Mawr, Pa.

CHENEY, ELIZABETH HOPE,.....*Group, English and French*, 1913-15.  
Philadelphia. Prepared by the Girl's High School, Philadelphia. Charles E. Ellis  
Scholar, 1913-14.

CHENEY, RUTH,.....*Group, Spanish and* ———, 1914-15.  
Peterborough, N. H. Prepared by Villa Vieudonne, Paris, France, and by the Misses May's  
School, Boston, Mass.

CLINE, MARY SYLVESTER,.....*Group, Greek and Latin*, 1913-15.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Minnie Murdoch  
Kendrick Memorial Scholar, 1913-15.

CLINTON, ELEANOR MARCELLA, *Group, Mathematics and Physics*, 1912-15.  
Philadelphia. Prepared by the Portland Academy, Portland, Ore., and by the Girls'  
High School, Philadelphia. Second Bryn Mawr Matriculation Scholar for Pennsyl-  
vania and Southern States, 1912-13; Frances Marion Simpson Memorial Scholar  
and City Scholar, 1912-15.

COLLINS, PHYLLIS,  
*Group, Modern History and Economics and Politics*, 1911-15,  
Cincinnati, O. Prepared by the National Cathedral School, Washington, D. C., and by  
the Baldwin School, Bryn Mawr, Pa.

COLLINS, SARAH LOUISE,  
*Group, Modern History and Economics and Politics*, 1913-15.  
Purchase, N. Y. Prepared by the Westtown Boarding School, Westtown, Pa., and by  
the Brearley School, New York City.

- COLTER, MARY FRANCES, . . . *Group, Modern History and ———*, 1913-15.  
Cincinnati, O. Prepared by the Bartholomew-Clifton School, Cincinnati. Second  
Bryn Mawr Western States Matriculation Scholar, 1913-14.
- CORDINGLEY, MARY FORSYTH, . . . . . *Group, ———*, 1914-15.  
Chestnut Hill, Mass. Prepared by the Misses May's School, Boston, Mass.
- COULTER, ANNA BREWSTER,  
*Group, Modern History and Economics and Politics*, 1913-15.  
Chicago, Ill. Prepared by the University School for Boys, Chicago, and by Rosemary  
Hall, Greenwich, Conn.
- CROWELL, CAROLINE, . . . . . *Group, Physics and Chemistry*, 1912-15.  
Avondale, Pa. Prepared by private tuition.
- CURRY, PHOEBE, . . . . . *Group, ———*, 1913-15.  
Danville, Pa. Prepared by Dickinson Seminary, Williamsport, Pa., and by the Misses  
Shipley's School, Bryn Mawr, Pa.
- CURTIN, FRANCES BIRDA, . . . *Group, French and Modern History*, 1913-15.  
Clarksburg, W. Va. Prepared by the High School, Clarksburg, and by the Misses Ship-  
ley's School, Bryn Mawr, Pa.
- DARKOW, MARGUERITE DAISY, *Group, Mathematics and Physics*, 1911-15.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. First Bryn Mawr  
Matriculation Scholar for Pennsylvania and the Southern States, 1911-12, and Simon  
Muhr Scholar, 1911-15; James E. Rhoads Junior Scholar, 1913-14; Maria L. Eastman  
Brooke Hall Memorial Scholar, 1914-15.
- DAVIDSON, LUCILE, *Group, Economics and Politics and Psychology*, 1911-15.  
Fort Worth, Tex. Prepared by the Veltin School, New York City.
- DAVIS, ANNE WALLIS, . . . . . *Group, Chemistry and Biology*, 1913-15.  
Princeton, N. J. Prepared by Miss Fine's School, Princeton.
- DEMING, JULIA,  
*Group, Modern History and Economics and Politics*, 1911-15.  
Oswego, Kan. Prepared by Oswego College and by the Baldwin School, Bryn Mawr, Pa.
- DENEEN, DOROTHY,  
*Group, Modern History and Economics and Politics*, 1912-15.  
Springfield, Ill. Prepared by the High School, Springfield, and by Rosemary Hall, Green-  
wich, Conn.
- DESSAU, ENID, . . . . . *Group, French and Comparative Literature*, 1911-15.  
New York City. Prepared by the Gordon-Winston School, New York City, and by the  
Hawthorne School, New York City.
- DE VENISH, ADDIE CLEORA,  
*Group, Modern History and Economics and Politics*, 1912-15.  
Philadelphia. Prepared by the Hannah More Academy, Reisterstown, Md., by the Girls'  
High School, Philadelphia, and by private tuition. Special Scholar, 1914-15.
- DIAMOND, ISABELLA STEVENSON, . . . *Group, Latin and English*, 1913-15.  
Fulton, N. Y. Prepared by the High School, Fulton, by the Baldwin School, Bryn Mawr,  
Pa., and by the Misses Kirk's School, Bryn Mawr. Syracuse University, 1911-12.
- DILLINGHAM, LOUISE BULKELEY, . . . *Group, German and French*, 1912-15.  
Millburn, N. J. Prepared by the Short Hills School, Short Hills, N. J. Second Bryn  
Mawr Matriculation Scholar for New York, New Jersey and Delaware, 1912-13.
- DIXON, HENRIETTA AMELIA, . . . *Group, Chemistry and Biology*, 1913-15.  
East Orange, N. J. Prepared by the High School, East Orange.
- DODD, MARGARET PERLEY, . . . . *Group, Psychology and Biology*, 1912-15.  
Chestnut Hill, Mass. Prepared by Miss Haskell and Miss Dean's School, Boston, Mass.
- DODGE, CHARLOTTE WRIGHT, . . . . . *Group, ———*, 1914-15.  
Rochester, N. Y. Prepared by Miss Wheeler's School, Providence, R. I.



- DONCHIAN, EUGENIE, . . . . . *Group, Latin and Spanish*, 1912-13, 1914-15.  
New York City. Prepared by the Horace Mann School, New York City.
- DOWD, CONSTANCE ELEANOR, . . . *Group, Psychology and Biology*, 1912-15.  
New York City. Prepared by the Misses Rayson's School, New York City.
- DOWNES, ELIZABETH WHARTON, . . . . . *Group*, ———, 1914-15.  
Three Tuns, Pa. Prepared by Rosemary Hall, Greenwich, Conn.
- DUFOURCQ, KATHARINE VERMILYE, *Group, French and Spanish*, 1914-15.  
New York City. Prepared by the Hamilton Institute for Girls, New York City.
- DULLES, ELEANOR LANSING, . . . . *Group, Psychology and Biology*, 1913-15.  
Auburn, N. Y. Prepared by the High School, Auburn, by Mt. Vernon Seminary, Washington, D. C., and by Wykeham Rise, Washington, Conn. First Bryn Mawr New England States Matriculation Scholar, 1913-14.
- DURE, AUGUSTA, . . . . . *Group*, ———, 1914-15.  
Wilmington, Del. Prepared by the Friends' School, Wilmington, Del.
- EASTWICK, KATHERINE CONSUELO HINKLE,  
*Group, French, Italian and Spanish*, 1914-15.  
New York City. Prepared by Dr. Andreae's School, Mehlem a. Rhein, Germany, and by the Misses Kirk's School, Bryn Mawr, Pa.
- ELWOOD, CATHERINE PRESCOTT,  
*Group, French and Italian and Spanish*, 1911-15.  
Minneapolis, Minn. Prepared by Stanley Hall School, Minneapolis, and by "Les Marronniers," Paris, France.
- EMERSON, ELISABETH, . . . . . *Group, Psychology and Biology*, 1913-15.  
Providence, R. I. Prepared by the Lincoln School, Providence.
- EMERY, GERTRUDE CANTERBURY,  
*Group, French and Modern History*, 1911-15.  
Boston, Mass. Prepared by the Misses May's School, Boston.
- ERBSLOH, OLGA HELEN CLARA,  
*Group, Economics and Politics and Psychology*, 1911-15.  
New York City. Prepared by the Brearley School, New York City.
- EVANS, LUCY, . . . . . *Group*, ———, 1914-15.  
Scarborough, N. Y. Prepared by the High School, Ossining, N. Y., by the Misses Shipley's School, Bryn Mawr, Pa., and by private tuition.
- EVERETT, HELEN,  
*Group, Economics and Politics and Psychology*, 1911-12, 1913-15.  
Providence, R. I. Prepared by St. Agnes School, Albany, N. Y., and by Miss Wheeler's School, Providence. Holder of the Second Bryn Mawr Matriculation Scholarship for the New England States, 1911-12; Brown University, 1912-13.
- FAULKNER, ELIZABETH, . . *Group, French and Italian and Spanish*, 1913-15.  
Keene, N. H. Prepared by the MacDuffie School, Springfield, Mass., and by the Winsor School, Longwood, Mass.
- FEGLEY, BEULAH HELEN, . . . . . *Group*, ———, 1914-15.  
Reading, Pa. Prepared by the High School for Girls, Reading, and by private tuition.
- FISHBEIN, DORA, . . . . *Group, Economics and Politics and* ———, 1914-15.  
Philadelphia. Prepared by the Morris High School, New York City. Barnard College, 1913-14.
- FISKE, CORNELIA HORSFORD, . . . . . *Group*, ———, 1914-15.  
Boston, Mass. Prepared by the Misses May's School, Boston.
- FLANAGAN, MARY GERTRUDE, . . . . . *Group*, ———, 1914-15.  
Newton, Mass. Prepared by Miss Cummings' School, Boston, and by the Misses Shipley's School, Bryn Mawr, Pa.



FLEMING, HARRIET EDNA, *Group, French and Italian and Spanish*, 1910-15.  
Philadelphia. Prepared by the Girls' High School, Philadelphia.

FORDYCE, REBECCA WALTON,  
*Group, Economics and Politics and Psychology*, 1912-15.  
Youngstown, O. Prepared by the Yale Avenue Private School and by the Rayen School,  
Youngstown.

FOSTER, ISABEL, *Group, English and Philosophy and Psychology*, 1911-15.  
Portsmouth, N. H. Prepared by the High School, Portsmouth.

FOSTER, MILDRED,  
*Group, Modern History and Economics and Politics*, 1913-15.  
New York City. Prepared by the Central High School, Washington, D. C., by the  
Friends' School, Washington, and by the Staten Island Academy, Staten Island, N. Y.

FRASER, LILIAN LORRAINE,.....*Group, ———*, 1914-15.  
Rochester, Minn. Prepared by the High School, Rochester, by Pillsbury Academy,  
Owatonna, Minn., and by Albert Lea College, Minn.

FRAZIER, JULIA VERONICA,.....*Group, ———*, 1914-15.  
New York City. Prepared by the Bryn Mawr School, Baltimore, Md., by private tuition  
and by Miss Chapin's School, New York City.

FREE, MARGARET LOUISE,  
*Group, Economics and Politics and Psychology*, 1911-15.  
Pittsburgh, Pa. Prepared by Dilworth Hall, Pittsburgh, and by the High School, Pitts-  
burgh.

FREER, ELEANOR,.....*Group, Latin and French*, 1911-15.  
Chicago. Prepared by the University School for Girls, Chicago. First Bryn Mawr  
Matriculation Scholar for the Western States, 1911-12.

FULLER, CLARA BERTRAM,  
*Group, Economics and Politics and Psychology*, 1912-15.  
New York City. Prepared by the Cornish School, Windsor, Vt., and by the Brearley  
School, New York City.

FYFE, FLORENCE MARJORIE,...*Group, Mathematics and Physics*, 1911-15.  
Winnetka, Ill. Prepared by Kemper Hall, Kenosha, Wis. Second Bryn Mawr Matri-  
culation Scholar for the Western States, 1911-12.

GAIL, NANNIE,.....*Group, Psychology and Biology*, 1912-15.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

GARDINER, MARY SUMMERFIELD,.....*Group, ———*, 1914-15.  
Garden City, L. I. Prepared by the Cathedral School of St. Mary, Garden City.

GARFIELD, LUCRETIA,.....*Group, German and French*, 1912-15.  
Williamstown, Mass. Prepared by St. Timothy's School, Catonsville, Md.

GARRIGUES, RUTH MARTIN,.....*Group, ———*, 1914-15.  
Haverford, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.

GEST, ANNETTE ELEANOR,.....*Group, Greek and ———*, 1914-15.  
Trenton, N. J. Prepared by the State Model School, Trenton.

GLENN, MARY DOROTHY,.....*Group, Latin and German*, 1913-15.  
Johnstown, Pa. Prepared by the High School, Johnstown.

GLENN, RUTH, *Group, Modern History and Economics and Politics*, 1911-15.  
Johnstown, Pa. Prepared by the High School, Johnstown.

GODLEY, CATHERINE SHERRED,  
*Group, French, Italian, and Spanish*, 1912-15.  
Cincinnati, O. Prepared by the College Preparatory School for Girls, Cincinnati.

GOODHUE, MARY BROOKS,

*Group, Modern History and Economics and Politics, 1911-15.*

Philadelphia. Prepared by the Westtown Boarding School, Westtown, Pa., and by the Misses Shipley's School, Bryn Mawr, Pa. Elizabeth Duane Gillespie Scholar in American History, 1914-15.

GOODNOW, LOIS ROOT,.....*Group, French and Spanish, 1912-15.*

New York City. Prepared by the Veltin School, New York City, by Rosemary Hall, Greenwich, Conn., and by private tuition.

GRABAU, AGNES WELLS,.....*Group, Latin and French, 1912-15.*

Saratoga Springs, N. Y. Prepared by the High School, Plattsburg, N. Y. Maria Hopper Sophomore Scholar, 1913-14.

GRACE, JANET RANDOLPH,.....*Group, Greek and Latin, 1913-15.*

New York City. Prepared by the Brearley School, New York City. Second Bryn Mawr Matriculation Scholar, for New York, New Jersey and Delaware 1913-14.

GRANGER, ELISABETH SHERMAN,.....*Group, ———, 1913-15.*

Philadelphia. Prepared by the Baldwin School, Bryn Mawr, Pa.

GREENEWALD, JEANNETTE REEFER, *Group, German and French, 1912-15.*

Philadelphia. Prepared by the Girls' High School, Philadelphia. Charles E. Ellis Scholar, 1912-15.

GREENOUGH, BERTHA CLARK,.....*Group, ———, 1913-15.*

Providence, R. I. Prepared by the Hope Street High School, Providence, and by Miss Wheeler's School, Providence.

HALL, CONSTANCE SIDNEY,.....*Group, ———, 1913-15.*

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Bryn Mawr School Scholar, 1913-14; Maria Hopper Sophomore Scholar, 1914-15.

HALLE, MARION REBECCA,.....*Group, Psychology and ———, 1913-15.*

Cleveland, O. Prepared by the Laurel School, Cleveland.

HAMILL, NELLIE MILLER,.....*Group, French and ———, 1913-15.*

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

HAMMER, HELEN,.....*Group, ———, 1914-15.*

Pottstown, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa., and by private tuition.

HARDON, ANNE FRANCES,

*Group, Modern History and Economics and Politics, 1911-15.*

New York City. Prepared by the Brearley School, New York City, and by Rosemary Hall, Greenwich, Conn.

HARLAN, MARY MONROE,.....*Group, Latin and Mathematics, 1911-15.*

Bel Air, Md. Prepared by the High School, Bel Air, and by the Bryn Mawr School, Baltimore, Md. Special Scholar, 1912-13; Special Maria Hopper Scholar, 1914-15.

HARRIS, DOROTHY ELIZABETH,.....*Group, ———, 1914-15.*

Arden, N. C. Prepared by St. Mary's School, Peekskill, N. Y. and by the Misses Shipley's School, Bryn Mawr, Pa.

HARRIS, HELEN MARIE,.....*Group, ———, 1913-15.*

Philadelphia. Prepared by the Baldwin School, Bryn Mawr, Pa. Special Frances Marion Simpson Scholar, 1913-15.

HARRIS, LUCY WEYGANDT, . . *Group, French and Modern History, 1913-15.*

Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia.

HART, RUTH ELOISE,.....*Group, ———, 1914-15.*

Brooklyn, New York City. Prepared by the Girls' High School, Brooklyn and by private tuition.

HASKELL, MARGARET KINGSLAND, . . *Group, English and French, 1912-15.*

Lincoln, Neb. Prepared by the Wolcott School, Denver, Colo.

HATTON, FLORENCE GAGE, . . *Group, Philosophy and Psychology, 1911-15.*

Columbus, O. Prepared by the Columbus School for Girls.

- HAUPT, ISTAR ALIDA, ..... *Group, Physics and* ———, 1913-15.  
Roland Park, Md. Prepared by the Bryn Mawr School, Baltimore, Md.
- HEISLER, LAURA MARY, ..... *Group,* ———, 1914-15.  
Philadelphia. Prepared by the Irwin School, Philadelphia.
- HEMENWAY, ELISABETH, ..... *Group, Mathematics and Physics,* 1913-15.  
Windsor, Vt. Prepared by St. Agnes School, Albany, N. Y., and by Wykeham Rise, Washington, Conn.
- HEMENWAY, JUDITH MARTHA BASSETT, *Group, Latin and French,* 1914-15.  
Windsor, Vt. Prepared by Wykeham Rise, Washington, Conn.
- HENDERSON, MARGARET ISELIN,  
*Group, Modern History and Economics and Politics,* 1913-15.  
New York City. Prepared by Miss Chapin's School for Girls, New York City.
- HEYDEMANN, CLARA WALLACE,  
*Group, German and Modern History,* 1912-15.  
St. Paul, Minn. Prepared by Mrs. Backus's School, St. Paul. Second Bryn Mawr Matriculation Scholar for the Western States, 1912-13; Special Scholar, 1913-14.
- HICKMAN, MARY LEE,  
*Group, Modern History and Economics and Politics,* 1912-15.  
Glenview, Ky. Prepared by the Public Schools, Louisville, Ky., and by Miss Wright's School, Bryn Mawr, Pa.
- HILL, ELEANOR HOUSTON, ..... *Group, Latin and Philosophy,* 1912-15.  
Evanston, Ill. Prepared by the Evanston Township High School. Northwestern University, 1911-12.
- HINDE, SARAH FENTON, ..... *Group, French and* ———, 1913-15.  
Chicago, Ill. Prepared by the Chicago Latin School for Girls and by private tuition.
- HITCHCOCK, FLORENCE, ..... *Group, German and Modern History,* 1912-15.  
Philadelphia. Prepared by the Misses Kirk's School, Bryn Mawr, Pa.
- HOBBS, HARRIET, ..... *Group, Latin and French,* 1914-15.  
New York City. Prepared by the Wadleigh High School, New York City.
- HODGE, MARY ROBINSON, . . . *Group, Modern History and French,* 1913-15.  
Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia.
- HODGES, LOUISE FROST, ..... *Group,* ———, 1914-15.  
Washington, D. C. Prepared by the Holton Arms School, Washington and by Milton Academy, Milton, Mass.
- HOFF, MARGARET, ..... *Group, English and French,* 1913-15.  
New York City. Prepared by the Brearley School, New York City.
- HOLCOMBE, EUGENIA, ..... *Group,* ———, 1913-15.  
Washington, D. C. Prepared by the Western High School, Washington, by Miss Walker's School, Lakewood, N. J., and by Miss Madeira's School, Washington.
- HOLLIDAY, ELIZABETH CRUFT, *Group, Spanish and History of Art,* 1912-15.  
Indianapolis, Ind. Prepared by Tudor Hall, Indianapolis, and by the Shortridge High School, Indianapolis.
- HOLLIDAY, KATHARINE AURELIA, ..... *Group,* ———, 1914-15.  
Indianapolis, Ind. Prepared by Tudor Hall, Indianapolis.
- HOLLINGSWORTH, LOUISE WALKER, . . . *Group, Latin and German,* 1911-15.  
Athens, Ga. Prepared by Lucy Cobb Institute, Athens, Ga.
- HOLLIS, JANETTE RALSTON, *Group, Modern History and* ———, 1913-15.  
Cambridge, Mass. Prepared by the Haskell-Dean School, Boston, Mass., by the Dwight School, Englewood, N. J., and by the Cambridge School, Cambridge. Second Bryn Mawr Matriculation Scholar for the New England States, 1913-14.



- HOLMES, HELEN BUCHANAN, *Group, Modern History and French*, 1912-15.  
Cincinnati, O. Prepared by the College Preparatory School, Cincinnati.
- HOPKINSON, RUTH WARREN, . . . . *Group, Physics and Chemistry*, 1911-15.  
Lakewood, O. Prepared by the West High School, Cleveland, O.
- HORNBERGER, AGNES WARREN, . . *Group, Chemistry and Biology*, 1911-15.  
Pittsburgh, Pa. Prepared by the Thurston-Gleim Preparatory School, Pittsburgh.
- HOUGHTON, ELIZABETH, . . . . . *Group, ———*, 1914-15.  
Chestnut Hill, Mass. Prepared by Miss Winsor's School, Longwood, Mass., by Wykeham  
Rise, Washington, Conn., and by the Misses May's School, Boston, Mass.
- HOWELL, CHARLOTTE TERESA, . . . *Group, Chemistry and Biology*, 1914-15.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- HUBBARD, RUTH, . . . . . *Group, Latin and French*, 1911-15.  
Fort Moultrie, S. C. Prepared by the Misses Allen's School, West Newton, Mass.
- HUFF, HENRIETTA NORRIS, . . . . . *Group, Greek and Latin*, 1914-15.  
Williamsport, Pa. Prepared by the High School, Williamsport, and by the Misses Kirk's  
School, Bryn Mawr, Pa.
- HUMPHREY, ALICE ROBBINS,  
*Group, Economics and Politics and Psychology*, 1911-15.  
New York City. Prepared by the Veltin School, New York City.
- HUSE, ELEANOR BAKER, . . . *Group, French and Modern History*, 1911-15.  
Boston, Mass. Prepared by Rogers Hall, Lowell, Mass., by Miss Low's School, Stamford,  
Conn., and by the Misses Allen's School, West Newton, Mass.
- IDDINGS, FLORENCE ELIZABETH,  
*Group, Modern History and Economics and Politics*, 1913-15.  
North Platte, Neb. Prepared by the High School, North Platte, and by the Misses  
Kirk's School, Bryn Mawr, Pa.
- IRVIN, HELEN WALKLEY, . . . . . *Group, Greek and English*, 1911-15.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Bryn Mawr School  
Scholar, 1911-12; Maria Hopper Sophomore Scholar, 1912-13; Thomas H. Powers  
Scholar, 1913-14.
- ISRAEL, JAMES MARION, . . . . . *Group, ———*, 1914-15.  
Minneapolis, Minn. Prepared by the Central High School, Minneapolis.
- IVORY,\* ELIZABETH SCHOFIELD,  
*Group, English and Comparative Literature*, 1911-15.  
Claymont, Del. Woman's Medical College of Pennsylvania, 1909-10. Hearer, 1911-13.
- JACKSON,† LAVINIA VAN VOORHIS,  
*Group, Greek and Latin*, 1902-04, 1914-15.  
Newark, N. J. Prepared by the Friends' School, Germantown, Philadelphia.
- JACOBS, MILDRED CLARK,  
*Group, Economics and Politics and Philosophy*, 1911-15.  
Philadelphia. Prepared by Miss Sayward's School, Overbrook, Philadelphia.
- JAMESON, JEANNETTA CHALMERS,  
*Group, French and Modern History*, 1913-15.  
Brooklyn, New York City. Prepared by the Packer Collegiate Institute, and by private  
tuition.
- JEFFERIES, MARJORIE SHARPE, . . . *Group, Chemistry and Biology*, 1914-15.  
Narberth, Pa. Prepared by the High School, Narberth.
- JELLIFFE, SYLVIA CANFIELD, . . . . . *Group, French and Spanish*, 1913-15.  
New York City. Prepared by the Ethical Culture School, New York City, and by study  
in France and Germany.

\* Mrs. P. Van Eman Ivory.

† Mrs. George Green Jackson.



- JENCKS, ELEANOR MAY, . . . . . *Group, French and History of Art*, 1913-15.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- JOACHIM, REBECCA ELIZABETH, . . . . . *Group, Latin and German*, 1913-15.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1913-15.
- JOHNSON, ADA FRANCES, . . . . . *Group, Mathematics and Physics*, 1913-15.  
Red Wing, Minn. Prepared by the High School, Red Wing, and by the Lutheran Ladies Seminary, Red Wing.
- JOHNSON, ESTHER, . . . . . *Group, Latin and Mathematics*, 1913-15.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. L. C. B. Saul Memorial Scholar, 1913-15.
- JONES, GWLADYS WEBSTER,  
*Group, Economics and Politics and Psychology*, 1910-13, 1914-15.  
Ocean Grove, N. J. Prepared by the Neptune Township High School, Ocean Grove, by the High School, Asbury Park, and by private tuition.
- JONES, HELEN PICKERING, . . . . . *Group, Mathematics and ———*, 1914-15.  
Narberth, Pa. Prepared by the High School, Narberth, by the Gordon School, Philadelphia, and by private tuition.
- JOPLING, CATHARINE WALLER, *Group, Mathematics and Physics*, 1913-15.  
Willoughby, O. Prepared by the Laurel School, Cleveland, O.
- JUSTICE, MILDRED LEWIS, . . . . . *Group, Psychology and Biology*, 1911-15.  
Narberth, Pa. Prepared by the High School, Narberth.
- KEENEY, HELEN, . . . . . *Group, French and Italian and Spanish*, 1912-15.  
Philadelphia. Prepared by the High School, Rockville, Conn.
- KELLEN, CONSTANCE,  
*Group, Modern History and Economics and Politics*, 1912-15.  
Cohasset, Mass. Prepared by Miss Wright's School, Bryn Mawr, Pa.
- KELLER, MARIE OTTILIE, . . . . . *Group, English and German*, 1911-15.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1911-15.
- KELLOGG, FREDRIKA MASON, . . . . . *Group, Chemistry and Biology*, 1912-15.  
Waterbury, Conn. Prepared by St. Margaret's School, Waterbury and by Rosemary Hall, Greenwich, Conn.
- KELLY, ESTHER WARNER,  
*Group, Modern History and Economics and Politics*, 1912-15.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- KENDIG, HILDEGARDE KING, . . . . . *Group, ———*, 1913-15.  
Waterloo, N. Y. Prepared by Miss Butts's School, Norwich, Conn., by the High School, Waterloo, and by the Misses Shipley's School, Bryn Mawr, Pa.
- KENYON, ADRIENNE,  
*Group, Economics and Politics and Philosophy and Psychology*, 1911-15.  
New York City. Prepared by Miss Schoonmaker's School, New York City, and by the Horace Mann School, New York City. Second (equal) Bryn Mawr Matriculation Scholar for New York, New Jersey and Delaware, 1911-12.
- KERR, ALICE HALL, . . . . . *Group, Biology and ———*, 1914-15.  
Catonsville, Md. Prepared by St. Timothy's School, Catonsville.
- KINSEY, JANE, . . . . . *Group, Modern History and ———*, 1913-15.  
Germantown, O. Prepared by the High School, Germantown, by the Misses Shipley's School, Bryn Mawr, and by private tuition.
- KIRK, EDITH BUCKNER,  
*Group, Modern History and History of Art*, 1912-15.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

KLEIN, LARIE MAE,  
*Group, Modern History and Economics and Politics*, 1912-15.  
 Cincinnati, O. Prepared by the University School, Cincinnati.

KLEPS, MARIAN CLEMENTINE,.....*Group, Latin and English*, 1912-15.  
 Philadelphia. Prepared by the Girls' High School, Philadelphia, and by private tuition.  
 Trustees' Philadelphia Girls' High School Scholar, 1912-14; James E. Rhoads Sophomore and Special Scholar, 1913-14; Anna Hallowell Memorial Scholar, 1914-15.

KNAUTH, ILSE MAGDALENE,.....*Group, Philosophy and ———*, 1913-15.  
 New York City. Prepared by the Veltin School, New York City.

KNEELAND, VIRGINIA,.....*Group, Biology and ———*, 1914-15.  
 New York City. Prepared by the Brearley School, New York City. Bryn Mawr Matriculation Scholar for New York, New Jersey and Delaware, 1914-15.

KUHN, DOROTHY CAROLINE,  
*Group, Modern History and Economics and Politics*, 1914-15.  
 Cincinnati, O. Prepared by the University School, Cincinnati.

LAMMERS, MILDRED HELEN, . . . *Group, Mathematics and Physics*, 1913-15.  
 Minneapolis, Minn. Prepared by the High School, Heron Lake, Minn., and by Stanley Hall, Minneapolis.

LAUTZ, RUTH ELLA,.....*Group, Mathematics and Biology*, 1912-15.  
 Pekin, Ill. Prepared by the High School, Pekin, and by the Misses Shipley's School, Bryn Mawr, Pa.

LEE, ANNA CAROLINE,.....*Group, Latin and English*, 1912-15.  
 Philadelphia. Prepared by the Girls' High School, Philadelphia, and by private tuition.  
 City Scholar, 1912-15.

LEVINSON, DORA CLARA,.....*Group, Chemistry and Biology*, 1911-15.  
 Philadelphia. Prepared by the Girls' High School, Philadelphia. City Scholar, 1911-15.

LEVY, RUTH JULIETTE,.....*Group, Psychology and Biology*, 1913-15.  
 Pittsburgh, Pa. Prepared by the High School, Pittsburgh.

LINDLEY, ELEANOR,.....*Group, ———*, 1914-15.  
 Minneapolis, Minn. Prepared by the Central High School, Minneapolis, by private tuition, and by private study in France and Germany.

LITCHFIELD, VIRGINIA DE STEIGNER,  
*Group, Modern History and History of Art*, 1913-15.  
 Brookline, Mass. Prepared by Miss Cummings's School, Boston, and by the Winsor School, Longwood, Mass.

LOBDELL, MARY ARLEVILLE, *Group, Latin and Ancient History*, 1911-15.  
 Philadelphia. Prepared by the Girls' High School, Philadelphia. City Scholar, 1911-15.

LOEB, IRENE,.....*Group, Modern History and ———*, 1914-15.  
 St. Louis, Mo. Prepared by Mary Institute, St. Louis.

LOEB, MATHILDE HARRIET, *Group, French and Modern History*, 1913-15.  
 Philadelphia. Prepared by the Friends' Central School, Philadelphia.

LONDON, MARY PARKE,.....*Group, Philosophy and Psychology*, 1911-15.  
 Birmingham, Ala. Prepared by the Margaret Allen School, Birmingham, and by the Misses Shipley's School, Bryn Mawr, Pa.

LOOMIS, ERNESTINE DILLAYE,.....*Group, ———*, 1914-15.  
 Syracuse, N. Y. Prepared by the Central High School, Syracuse, by the Goodyear-Burlingame School, Syracuse, and by private tuition.

LOUDON, MARGARET LOUISE,.....*Group, English and Italian*, 1912-15.  
 Philadelphia. Prepared by the Girls' High School, Philadelphia. City Scholar, 1912-15.

LUBAR, ANNA ETHEL,.....*Group, English and German*, 1914-15.  
 Philadelphia. Prepared by the Girls' High School, Philadelphia. City Scholar, 1914-15.

- LYNCH, EUGENIE MARGARET, . . . *Group, Latin and Mathematics*, 1914-15.  
 Devon, Pa. Prepared by the Tredyffrin-Easttown High School, Berwyn, Pa., and by private tuition.
- MACDONALD, DOROTHY, . . . *Group, Latin and Mathematics*, 1913-15.  
 Ardmore, Pa. Prepared by the Lower Merion High School, Ardmore. Second Pennsylvania and Southern States Matriculation Scholar, 1913-14, and Frances Marion Simpson Scholar, 1913-15.
- MACDONALD, FRANCES, . . . *Group, Latin and French*, 1911-15.  
 Ardmore, Pa. Prepared by the Lower Merion High School, Ardmore. Lower Merion High School Scholar, 1911-15.
- DE MACEDO, VIRGINIA, . . . *Group, German and French*, 1912-15.  
 Philadelphia. Prepared by the Girls' High School, Philadelphia. Special Scholar, 1913-14.
- MACELREE, HELEN, . . . *Group, Latin and English*, 1911-15.  
 West Chester, Pa. Prepared by the High School, West Chester.
- MACKENZIE, MARJORIE TAYLOR, . . . *Group, ———*, 1914-15.  
 Halifax, N. S. Prepared by the Horace Mann School, New York City, by the Halifax Ladies College, and by Miss Lander's School, Indianapolis, Ind.
- MACMASTER, AMELIA KELLOGG,  
*Group, English and Psychology*, 1912, 1913-15.  
 Elizabeth, N. J. Prepared by the Battin High School, Elizabeth, and by private tuition. Kindergarten Teacher, Newark, N. J., 1905-11, 1912-13. Thomas H. Powers Memorial Scholar, 1914-15.
- MALL, MARGARET, . . . *Group, Mathematics and ———*, 1914-15.  
 Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- MALONE, GERTRUDE EVELYN MARIE, *Group, English and French*, 1913-15.  
 Washington, D. C. Prepared by the High School, Leavenworth, Kan., by Deerfield Township High School, Highland Park, Ill., and by the Western High School, Washington.
- MARSHALL,\* ADELINE GIBSON, . . . *Hearer in English and German*, 1914-15.  
 Philadelphia. Prepared by Miss Irwin's School and by private tuition.
- MARTIN, AMY LAWRENCE,  
*Group, Modern History and Economics and Politics*, 1911-15.  
 Chicago, Ill. Prepared by the Kenwood Institute, Chicago, and by the University School for Girls, Chicago.
- MAXWELL, HELEN DOROTHY, . . . *Group, ———*, 1912-13, 1914-15.  
 Omaha, Neb. Prepared by the High School, Narberth, Pa.
- MCCAY, MILDRED BUCKNER, . . . *Group, English and French*, 1912-15.  
 Roland Park, Md. Prepared by the Bryn Mawr School, Baltimore, Md.
- MCCOLLIN, KATHARINE WILLIAMS,  
*Group, Philosophy and Psychology*, 1911-15.  
 Philadelphia. Prepared by Miss Wright's School, Bryn Mawr, Pa.
- MCCREERY, VASHTI, . . . *Group, Biology and ———*, 1911-13, 1914-15.  
 Benton, Ill. Prepared by the High School, Benton and by Ivens Llys, St. Louis, Mo.
- McFADEN, NATALIE FRIEND, . . . *Group, English and ———*, 1913-15.  
 Richmond, Va. Prepared by Miss Campbell's School, Richmond, and by the Randolph-Ellett School, Richmond.
- McFARLAND, HELEN JOSEPHINE, *Group, Chemistry and Biology*, 1911-15.  
 Philadelphia. Prepared by the Friends' Preparative Meeting School of Germantown, Philadelphia. Woods Holl Scholar, 1913.
- McILVAINE, ROMAINE LE MOYNE, *Group, Psychology and Biology*, 1913-15.  
 Hubbard Woods, Ill. Prepared by the Girton School, Winnetka, Ill., and by the Bryn Mawr School, Baltimore, Md.

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\* Mrs. Adeline Gibson Marshall.



- McKEEFREY, CHLOE SPEARMAN, . . . *Group, German and French*, 1912-15.  
Leetonia, O. Prepared by the Baldwin School, Bryn Mawr, Pa.
- McMILLAN, GLADYS, . . . . . *Group, Mathematics and Physics*, 1913-15.  
Pensacola, Fla. Prepared by the Classical School, Pensacola, by the Agnes Scott College,  
Decatur, Ga., and by the Misses Kirk's School, Bryn Mawr, Pa.
- MEBANE, JESSIE, . . . . . *Group*, ———, 1914-15.  
Wilkes Barre, Pa. Prepared by the Wilkes Barre Institute and by private tuition.
- MERCK, ELSBETH JEANNE, . . . . . *Group*, ———, 1914-15.  
West Orange, N. J. Prepared by the Dearborn-Morgan School and by private tuition.
- MERRY, FRANCES ELIZABETH, . . . . . *Group*, ———, 1914-15.  
Cleveland, O. Prepared by the Laurel School, Cleveland.
- MILLER, MARY CECILIA, . . . . . *Group, Greek and Latin*, 1914-15.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Frances Marion Simpson  
Scholar, 1914-15.
- MILNE, MARJORIE JOSEPHINE, . . . . . *Group, Greek and Latin*, 1913-15.  
Duluth, Minn. Prepared by the High School, Duluth, and by private tuition. First  
Western States Matriculation Scholar, 1913-14.
- MOORE, DOROTHEA MAY,  
*Group, Modern History and Economics and Politics*, 1911-15.  
Cambridge, Mass. Prepared by the Gilman School, Cambridge, and by the Misses May's  
School, Boston, Mass. First New England States Matriculation Scholar, 1911-14.
- MORGAN, MARY CHURCHMAN, *Group, French and Modern History*, 1911-15.  
Philadelphia. Prepared by the Friends' Central School, Philadelphia.
- MORTON, SARAH WISTAR, . . . . . *Group, Greek and English*, 1914-15.  
Philadelphia. Prepared by the Stevens School, Germantown, Philadelphia, by Mrs. Chap-  
man and Miss Jones's School, Chestnut Hill, and by the Irwin School, Philadelphia.
- MOSES, GEORGETTE OMEGA,  
*Group, French and Italian and Spanish*, 1912-15.  
Mt. Vernon, N. Y. Prepared by the High School, Mt. Vernon, and by private tuition.
- MUNFORD, MARY SAFFORD, . . . . . *Group*, ———, 1914-15.  
Richmond, Va. Prepared by The Walnut Hill School, Natick, Mass., by the Misses Kirk's  
School, Bryn Mawr, Pa., and by private tuition.
- NEELY, CORA SNOWDEN, . . . . . *Group*, ———, 1914-15.  
Philadelphia. Prepared by the Stevens School, Germantown, Philadelphia.
- NEWLIN, ALICE HARRISON, . . . . . *Group*, ———, 1914-15.  
Whitford, Pa. Prepared by Miss Wright's School, Bryn Mawr, Pa.
- NEWMAN, RUTH,  
*Group, Modern History and Economics and Politics*, 1911-15.  
Bridge Hampton, N. Y. Prepared by the Public Schools of Bridge Hampton and South-  
ampton, N. Y.
- NICHOLS, SUSAN FARLEY,  
*Group, Economics and Politics and Philosophy and Psychology*, 1911-15.  
New York City. Prepared by the Brearley School, New York City.
- NOYES, EMILY GIFFORD, . . . . . *Group, Latin and French*, 1911-15.  
Providence, R. I. Prepared by Miss Wheeler's School, Providence.
- O'CONNOR, MARIAN, . . . . . *Group*, ———, 1914-15.  
Brookline, Mass. Prepared by the High School, Brookline.
- O'SHEA, MONICA BARRY, . . . . . *Group, English and Psychology*, 1913-15.  
Brookline, Mass. Prepared by the High School, Brookline, and by Miss Cummings's  
School, Boston, Mass.



- OTIS, LOUISE,.....*Group, Chemistry and ———*, 1913-15.  
Winnetka, Ill. Prepared by the Girtton School, Winnetka. Northwestern University,  
1912-13.
- PACKARD, DOROTHY,  
*Group, Economics and Politics and Psychology*, 1912-15.  
Chicago, Ill. Prepared by the Francis W. Parker School, Chicago. University of Chicago,  
1911-12.
- PAULING, MARIE JANET,....*Group, Modern History and ———*, 1913-15.  
Chicago, Ill. Prepared by the Latin School, Chicago.
- PEARSON, LAURA HILDRETH,.....*Group, Greek and Latin*, 1914-15.  
Lowell, Mass. Prepared by the High School, Lowell, and by the Rogers Hall School, Lowell.  
Bryn Mawr Matriculation Scholar for the New England States, 1914-15.
- PERKINS, DAGMAR,  
*Group, Economics and Politics and Philosophy and Psychology*, 1911-15.  
New York City. Prepared by the Veltin School, New York City.
- PERSHING, 2ND, ELIZABETH HELFENSTEIN,.....*Group, ———*, 1914-15.  
Pineville, Pa. Prepared by the Friends' School, Germantown, Philadelphia, and by private  
tuition.
- PLATTER, MARY HUNTER,.....*Group, Latin and ———*, 1913-15.  
Dallas, Tex. Prepared by Cowart Hall, Dallas, and by the Misses Kirk's School, Bryn  
Mawr, Pa.
- POMEROY, VIRGINIA SHERMAN,.....*Group, ———*, 1914-15.  
Minneapolis, Minn. Prepared by Stanley Hall, Minneapolis, by the West High School,  
Minneapolis and by Rosemary Hall, Greenwich, Conn.
- PORTER, ELIZABETH LANE, *Group, Greek and Psychology*, 1910-12, 1914-15.  
Fort Wayne, Ind. Prepared by the High School, Fort Wayne, and by private tuition.
- PRICE, ANNA EDITH,  
*Hearer by Courtesy in Ancient History, Economics, and History of Art*,  
1913-15.  
Whitford, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa., and by private tuition.  
Library Assistant, 1913-15.
- PUGH, ESTHER CLEMENT,....*Group, Modern History and French*, 1911-15.  
Overbrook, Philadelphia. Prepared by the Irwin School, Philadelphia, and by Rosemary  
Hall, Greenwich, Conn.
- QUIMBY, HESTER AGNES,.....*Group, ———*, 1914-15.  
Philadelphia. Prepared by the Girls' High School, Philadelphia.
- RANLET, JOSEPHINE,.....*Group, Modern History and ———*, 1913-15.  
Boston, Mass. Prepared by the Bancroft School, Worcester, Mass., by the Winsor School,  
Longwood, Mass., and by private tuition in Germany and Switzerland.
- RAPALLO, EDNA,.....*Group, Italian and Spanish and English*, 1911-15.  
New York City. Prepared by the Brearley School, New York City.
- REISS, SYLVA LUCILE,.....*Group, Philosophy and Psychology*, 1914-15.  
Knox, Ind. Prepared by the High School, Knox, by Winona College, and by the Misses  
Kirk's School, Bryn Mawr, Pa.
- REYMERSHOFFER, GERTRUDE,.....*Group, ———*, 1914-15.  
Galveston, Tex. Prepared by the Ball High School, Galveston.
- RHOADS, MARIAN,.....*Group, Latin and English*, 1913-15.  
Reading, Pa. Prepared by the High School, Reading.
- RHOADS, REBECCA GARRETT,.....*Group, ———*, 1914-15.  
Wilmington, Del. Prepared by the Westtown Boarding School, Westtown, Pa., by the  
Misses Hebb's School, Wilmington, and by private tuition.

- RHOADS, RUTH ELY,.....*Group*, ———, 1914-15.  
Germantown, Philadelphia. Prepared by the Westtown Boarding School, Westtown, Pa., and by the Friends' School, Germantown.
- RICHARDS, AMELIA,.....*Group*, ———, 1914-15.  
Boston, Mass. Prepared by Miss Haskell and Miss Dean's School, Boston, and by the Winsor School, Longwood, Mass.
- RICHARDS, MYRA STEPHANNIE,.....*Group, Latin and German*, 1911-15.  
South Norwalk, Conn. Prepared by the Normal College of the City of New York, and by the High School, Norwalk, Conn.
- RICHARDSON, LESLIE,.....*Group*, ———, 1914-15.  
Cambridge, Mass. Prepared by the Misses May's School, Boston, Mass.
- RICHMOND, FRANCES COOPER,.....*Group*, ———, 1914-15.  
Schenectady, N. Y. Prepared by the Academy for Girls, Albany, N. Y., and by St. Timothy's School, Catonsville, Md. Bryn Mawr Matriculation Scholar for Pennsylvania and the Southern States, 1914-15.
- RIDLON, JEANNETTE,.....*Group*, ———, 1914-15.  
Chicago, Ill. Prepared by the High School, Evanston, Ill., by the University School for Girls, Chicago, and by the Misses Shipley's School, Bryn Mawr, Pa.
- RIEGEL, HELEN,.....*Group, French and Modern History*, 1912-15.  
Riegelsville, Pa. Prepared by the Misses Rayson's School, New York City.
- ROBERTS, ANNA WILKINS,.....*Group, German and French*, 1911-15.  
Moorestown, N. J. Prepared by the Friends' Academy, Moorestown, and by the Westtown Boarding School, Westtown, Pa. Foundation Scholar, 1911-15.
- ROBERTSON, HELEN CALDER, *Group, French and Modern History*, 1912-15.  
Providence, R. I. Prepared by Miss Wheeler's School, Providence. Second (equal) Bryn Mawr Matriculation Scholar for the New England States, 1912-13.
- ROBINSON, ETHEL FERN,....*Group, French and Modern History*, 1911-15.  
Detroit, Mich. Prepared by the Central High School, Detroit, and by the Liggett School, Detroit.
- ROHRER, MIRIAM,.....*Group, Philosophy and Psychology*, 1911-15.  
Schenectady, N. Y. Prepared by the High School, Schenectady.
- ROSENBERG, ELLA MARY,.....*Group*, ———, 1914-15.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Mary Anna Longstreth Scholar and City Scholar, 1914-15.
- ROSS, JOANNA PUGH,  
*Group, Modern History and Economics and Politics*, 1912-15.  
Norristown, Pa. Prepared by the Friends' Central School, Philadelphia.
- RUPERT, MARY SWIFT,.....*Group*, ———, 1914-15.  
Marshallton, Del. Prepared by the Misses Hebb's School, Wilmington, Del.
- RUSSELL, EMILY CRANE,.....*Group, Psychology and* ———, 1913-15.  
Lake Forest, Ill. Prepared by the Girtton School, Winnetka, Ill.
- RUSSELL, MARGARET,.....*Group, Physics and* ———, 1912-15.  
Plymouth, Mass. Prepared by the High School, Plymouth, and by Milton Academy, Milton, Mass.
- SAMPSON, MERLE D'AUBIGNÉ,.....*Group, Latin and English*, 1911-15.  
Charlottesville, Va. Prepared by the Baldwin School, Bryn Mawr, Pa. James E. Rhoads Sophomore Scholar, 1912-13.
- SANDISON, LOIS ESTABROOK,.....*Group, Latin and English*, 1912-15.  
Terre Haute, Ind. Prepared by the Indiana Normal High School, Terre Haute, by the Girls' High School, Oxford, England, and by the Willard School, Berlin, Germany. First Pennsylvania and Southern States Matriculation Scholar, 1912-13.
- SARGENT, CECILIA VENNARD,.....*Group, Greek and Latin*, 1911-15,  
Wenonah, N. J. Prepared by the High School, Woodbury, N. J.

- SATO, RYU,.....*Group, Physics and Chemistry*, 1913-15.  
Tokyo, Japan. Prepared by the Misses Shipley's School, Bryn Mawr, Pa. Foundation Scholar, 1913-15. First Pennsylvania and Southern States Matriculation Scholar, 1913-14; Maria Hopper Sophomore Scholar, 1914-15.
- SATTLER, JEAN,.....*Group, English and Comparative Literature*, 1911-15.  
Madisonville, O. Prepared by the College Preparatory School, Cincinnati, O.
- SAVAGE, WILLIE BOND,.....*Group, Philosophy and Psychology*, 1912-15.  
Warren, Ark. Prepared by the Warren Training School, Warren, and by the Misses Kirk's School, Bryn Mawr, Pa.
- SCATTERGOOD, MARGERY,....*Group, Modern History and ———*, 1913-15.  
Philadelphia. Prepared by the Westtown Boarding School, Westtown, Pa., and by the Misses Kirk's School, Bryn Mawr, Pa.
- SCHWARZ, HELEN CATHERINE,.....*Group, ———*, 1914-15.  
Greenwich, Conn. Prepared by Rosemary Hall, Greenwich.
- SCOTT, MARY WINGFIELD,.....*Group, ———*, 1914-15.  
Richmond, Va. Prepared by Miss Ellett's School, Richmond, and by St. Timothy's School, Catonsville, Md.
- SCUDDER, ATALA THAYER,.....*Group, Psychology and Biology*, 1911-15.  
Brooklyn, New York City. Prepared by the Veltin School, New York City.
- SCUDDER, ELIZABETH HEWLETT,.....*Group, ———*, 1912-13, 1914-15.  
Brooklyn, New York City. Prepared by the Veltin School, New York City.
- SEARS, ANNA,.....*Group, Latin and French*, 1912-15.  
Framingham, Mass. Prepared by the High School, Framingham, by Rosemary Hall, Greenwich, Conn., and by private tuition. First New England States Matriculation Scholar, 1912-13.
- SEELYE, ELIZABETH WHITACRE,  
*Group, Economics and Politics and Psychology*, 1913-15.  
Willoughby, O. Prepared by the High School, Tarrytown, N. Y., and by the Laurel School, Cleveland, O.
- SENIOR, MARY EMMA,.....*Group, ———*, 1914-15.  
Cincinnati, O. Prepared by the University School, Cincinnati.
- SHAFFER, ADELAIDE WALLACE,.....*Group, ———*, 1914-15.  
Knoxville, Tenn. Prepared by the Misses Masters' School, Dobbs Ferry, N. Y., by Wallcourt, Aurora, N. Y., and by the Misses Kirk's School, Bryn Mawr, Pa.
- SHARPLESS, KATHARINE TRUMAN,.....*Group, ———*, 1914-15.  
Haverford, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa., and by the Westtown Boarding School, Westtown, Pa. Foundation Scholar, 1914-15.
- SHEAFER, KATHERINE ELIZABETH, *Group, Chemistry and Biology*, 1911-15.  
Pottsville, Pa. Prepared by the High School, Pottsville, and by private tuition.
- SHELDON, HARRIET SHELDON,.....*Group, Latin and French*, 1910-15.  
Columbus, O. Prepared by the Columbus School for Girls.
- SHERMAN, ANNIE HARDIN,....*Group, French and Modern History*, 1913-15.  
Chicago, Ill. Prepared by the Bishop's School, San Diego, Cal., and by the Latin School, Chicago.
- SHIPLEY, AGNES DOROTHY,.....*Group, ———*, 1913-15.  
Philadelphia. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.
- SHOWELL, ADELINE OGDEN,.....*Group, English and ———*, 1914-15.  
Springfield, O. Prepared by the New High School, Springfield.
- SMITH, AGNES PICKETT,.....*Group, Mathematics and Physics*, 1912-15.  
Winchester, Va. Prepared by Stuart Hall, Staunton, Va., and by private tuition. Mary E. Stevens Scholar, 1914-15.



- SMITH, CLARISSA, ..... *Group, Chemistry and Biology*, 1911-15.  
West Medford, Mass. Prepared by the Misses Kirk's School, Bryn Mawr, Pa.
- SMITH, EDITH MARION, ..... *Group, Greek and ———*, 1914-15.  
Pittsburgh, Pa. Prepared by the High School, Peoria, Ill., and by the Bradley Institute, Peoria.
- SMITH, ELIZABETH BALDWIN, ..... *Group, Latin and English*, 1911-15.  
Cincinnati, O. Prepared by Miss Wright's School, Bryn Mawr, Pa.
- SMITH, ISABEL, ..... *Group, Chemistry and Geology*, 1911-15.  
Los Angeles, Cal. Prepared by the Polytechnic High School, Los Angeles, and by the Misses Kirk's School, Bryn Mawr, Pa.
- SMITH, LOUISE TUNSTALL, ..... *Group, Greek and Latin*, 1914-15.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Bryn Mawr School Scholar, 1914-15.
- SMITH, MARGERY VIOLET, ..... *Group, English and ———*, 1914-15.  
Omaha, Neb. Prepared by Brownell Hall, Omaha.
- SMITH, SARA ROZET MATHER, ..... *Group, English and French*, 1911-15.  
Chicago, Ill. Prepared by Miss Madeira's School, Washington, D. C., and by St. Timothy's School, Catonsville, Md.
- SMITH, THALIA HOWARD, ..... *Group, Philosophy and Psychology*, 1913-15.  
New York City. Prepared by the Hawthorne School, New York City. First New York, New Jersey and Delaware Matriculation Scholar, 1912-13; James E. Rhoads Sophomore Scholar, 1914-15.
- SNODGRASS, KATHARINE, ..... *Group, English and French*, 1911-15.  
Indianapolis, Ind. Prepared by the Shortridge High School, Indianapolis. Maria Hopper Sophomore Scholar, 1912-13; Anna Hallowell Memorial Scholar, 1913-14.
- SPENCE, ANGELEINE BENEDICTA, ..... *Group, German and Modern History*, 1911-15.  
Rockland, Mass. Prepared by the High School, Rockland.
- SPENCE, MARY CASHMAN, ..... *Group, History and Economics and Politics*, 1913-15.  
Rockland, Mass. Prepared by the High School, Rockland, and by private tuition.
- STAIR, MARY KEESEY, ..... *Group, ———*, 1914-15.  
York, Pa. Prepared by private tuition and by Miss Wright's School, Bryn Mawr, Pa.
- STARK, ELIZABETH KLINE, ..... *Group, Psychology and Physics*, 1912-15.  
Rochester, N. Y. Prepared by the DeLancey School, Geneva, N. Y., by Miss Hake's School, Rochester, and by the Columbia Preparatory School, Rochester.
- STELTZER, ELSIE, ..... *Group, Latin and German*, 1911-15.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. City Scholar, 1911-15.
- STEUART, LYDIA MORRIS, ..... *Group, ———*, 1913-15.  
Roland Park, Md. Prepared by the Bryn Mawr School, Baltimore, Md.
- STEVENS, CAROLINE, ..... *Group, Chemistry and Biology*, 1913-15.  
North Andover, Mass. Prepared by the Winsor School, Longwood, Mass.
- STEVENSON, DOROTHY, ..... *Group, ———*, 1914-15.  
Gilman, Ill. Prepared by the High School, Decatur, Ill. James Milliken University, 1912-13; University of Illinois, 1913-14.
- STOKLEY, DOROTHY STULB, ..... *Group, French and Spanish*, 1912-15.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Minnie Murdoch Kendrick Memorial Scholar, 1912-13.
- STRAUSS, EMILIE THERESE, . . . *Group, French and Modern History*, 1912-15.  
Wilkes Barre, Pa. Prepared by the Wilkes Barre Institute.



- STRAUSS, MARJORIE LORD, . . . . . *Group, Chemistry and Biology*, 1914-15.  
New York City. Prepared by the Horace Mann School, New York City.
- STREETT, KATHERINE MAYNADIER,  
    *Group, Modern History and Economics and Politics*, 1911-15.  
Cumberland, Md. Prepared by the Western High School, Baltimore, and by Allegany  
County Academy, Cumberland, Md.
- SUTCH, CLEORA,  
    *Group, Modern History and Economics and Politics*, 1911-15.  
Germantown, Philadelphia. Prepared by the Girls' High School, Philadelphia. Charles  
E. Ellis Scholar, 1911-15.
- TABER, CARLOTTA LOWELL, *Group, German and Modern History*, 1911-15.  
Worcester, Mass. Prepared by Rosemary Hall, Greenwich, Conn., and by private tuition.
- TAFT, HELEN HERRON,  
    *Group, Modern History and Economics and Politics*, 1908-10, 1913-15.  
Cincinnati, O. Prepared by the National Cathedral School, Washington, D. C., and by the  
Baldwin School, Bryn Mawr, Pa. First Matriculation Scholar for Pennsylvania and the  
Southern States, 1908-09.
- TATTERSFIELD, OLGA, . . . . . *Group, English and ———*, 1910-15.  
Philadelphia. Prepared by Miss Hills's School, Philadelphia, and by the Stevens School,  
Germantown, Philadelphia.
- TAYLOR, RACHEL, . . . . . *Group, ———*, 1913-15.  
Rochester, N. Y. Prepared by the Columbia School, Rochester and by Rosemary Hall,  
Greenwich, Conn.
- TELLER, FANNIE ESPEN, . . . . . *Group, French and History of Art*, 1910-15.  
Philadelphia. Prepared by the Friends' Central School, Philadelphia.
- THOMPSON, MARGARET,  
    *Group, Modern History and Economics and Politics*, 1913-15.  
Lake Forest, Ill. Prepared by Rosemary Hall, Greenwich, Conn.
- THOMSON, ANNIS EVELEEN, . . . . . *Group, Chemistry and Biology*, 1912-15.  
Yonkers, N. Y. Prepared by the High School, Yonkers, and by private tuition.
- THOMSON, MARY MARJORY,  
    *Group, Economics and Politics and Philosophy and Psychology*, 1911-15.  
Yonkers, N. Y. Prepared by the High School, Yonkers.
- TIMPSON, MARGARET CATHERINE, . . . . . *Group, ———*, 1914-15.  
New York City. Prepared by Miss Spence's School, New York City.
- TINKER, ELIZABETH HELEN, . . . . . *Group, Latin and English*, 1912-15.  
Cumberland, Md. Prepared by the Allegany County Academy, Cumberland, Md.
- TINKER, RUTH, . . . . . *Group, French and German*, 1911-15.  
Stamford, Conn. Prepared by Miss Low and Miss Heywood's School, Stamford.
- TURLE, PENELOPE, . . . . . *Group, ———*, 1914-15.  
Duluth, Minn. Prepared by the High School, Duluth, by private tuition, Lausanne,  
Switzerland, and by Rosemary Hall, Greenwich, Conn.
- TURNER, ANNA BROWN, . . . . . *Group, English and Mathematics*, 1914-15.  
Philadelphia. Prepared by the Girls' High School, Philadelphia.
- TUTTLE, MARION, . . . . . *Group, ———*, 1913-15.  
Rockaway, N. J. Prepared by the High School, Rockaway, and by private tuition.
- TUTTLE, RUTH ALDEN,  
    *Group, Modern History and Economics and Politics*, 1911-15.  
Canandaigua, N. Y. Prepared by the Gordon-Winston School, New York City.
- TYSON, HELEN EDITH, . . . . . *Group, German and French*, 1912-15.  
New York City. Prepared by the Hawthorne School, New York City.

- VAN HORN, ALICE ELLISON, . . . . . *Group, French and Spanish*, 1912-15.  
Scarsdale, N. Y. Prepared by the Lockwood Collegiate School, Scarsdale.
- VAN HORN, EMILY ELLISON, *Group, French and Modern History*, 1911-15.  
Scarsdale, N. Y. Prepared by the Lockwood Collegiate School, Scarsdale. Second  
(equal) Matriculation Scholar for New York, New Jersey and Delaware, 1911-12.
- WALKER, HELEN EDWARD, . . . . . *Group, ———*, 1914-15.  
Chicago, Ill. Prepared by Kenwood Institute, Chicago, and by the Loring School, Chicago.
- WARD, DOROTHY DE FERMAIN, *Group, French and History of Art*, 1913-15.  
New York City. Prepared by Miss Pape's School, Savannah, Ga., by Oldfields, Glencoe,  
Md., and by the Baldwin School, Bryn Mawr, Pa.
- WASHBURN, ELIZABETH POPE,  
*Group, Modern History and History of Art*, 1912-15.  
Minneapolis, Minn. Prepared by Stanley Hall, Minneapolis.
- WEAVER, ELIZABETH WALDRON NORMAN,  
*Group, Greek and Ancient History*, 1911-15.  
Newport, R. I. Prepared by the Rogers High School, Newport, and by the Baldwin  
School, Bryn Mawr, Pa.
- WEBSTER, MALLORY WHITING, *Group, French and Modern History*, 1911-15.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- WERNER, ADELINE AGNES,  
*Group, Economics and Politics and Psychology*, 1912-15.  
Columbus, O. Prepared by the Columbus School for Girls, Columbus. First Matricula-  
tion Scholar for the Western States, 1912-13.
- WESTLING, CHARLOTTE HANNAH, . . . *Group, Geology and Biology*, 1913-15.  
Philadelphia. Prepared by the Girls' High School, Philadelphia.
- WHITCOMB, HELEN, . . . . . *Group, ———*, 1914-15.  
Brookline, Mass. Prepared by Miss Haskell and Miss Dean's School, Boston, Mass.
- WILCOX, CONSTANCE HUNTINGTON GRENELLE,  
*Group, French and Modern History*, 1913-15.  
Madison, Conn. Prepared by the Ethical Culture School, New York City, and by the  
Veltin School, New York City.
- WILDMAN, ANNA SNOWDEN,  
*Group, Modern History and Economics and Politics*, 1913-15.  
Leesburg, Va. Prepared by the Thurston-Gleim School, Pittsburgh, Pa.
- WILLARD, MARIE LOUISE, . . . . . *Group, ———*, 1914-15.  
Cleveland, O. Prepared by the High School, Lakewood, O., and by Miss Wright's School,  
Bryn Mawr, Pa.
- WILLARD, MILDRED MCCREARY, . . . *Group, English and ———*, 1913-15.  
Merion, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- WILLETT, MARTHA WINSLOW, *Group, Modern History and French*, 1913-15.  
Norwood, Mass. Prepared by the High School, Norwood, and by the Winsor School, Long-  
wood, Mass.
- WILLIAMS, MARJORIE TRUEHEART, . . . . . *Group, ———*, 1914-15.  
Galveston, Tex. Prepared by the Ball High School, Galveston, and by the Misses Shipley's  
School, Bryn Mawr, Pa.
- WILSON, EDITH STEDMAN, . . . *Group, Latin and Ancient History*, 1912-15.  
Chapel Hill, N. C. Prepared by the Bryn Mawr School, Baltimore, Md.
- WILSON, HELEN MOSEMAN, . . . . . *Group, French and ———*, 1914-15.  
Grand Rapids, Mich. Prepared by the Central High School, Grand Rapids, and by private  
tuition.

- WINSOR, 2ND, MARY PICKARD,.....*Group*, ———, 1914-15.  
 Weston, Mass. Prepared by the Winsor School, Longwood, Mass. and by private tuition.
- WORCH, MARGARET,.....*Group*, ———, 1914-15.  
 Providence, R. I. Prepared by Miss Wheeler's School, Providence.
- WORLEY, MARY CELINDA,.....*Group*, ———, 1913-15.  
 Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- WORTHINGTON, LILLA,  
   *Group, Economics and Politics and Psychology*, 1912-15.  
 Birmingham, Ala. Prepared by the Fairmount School, Monteagle, Tenn., and by private tuition.
- YOST, MARGARET JANE,.....*Group, French and History of Art*, 1911-15.  
 Braddock, Pa. Prepared by the Thurston-Gleim School, Pittsburgh, Pa., and by private tuition.
- ZECKWER, ISOLDA THÉRÈSE,.....*Group, Chemistry and Biology*, 1911-15.  
 Philadelphia. Prepared by the Friends' Central School, Philadelphia.
- ZIMMERMAN, HELEN BURN,.....*Group*, ———, 1913-15.  
 Eberly's Mill, Pa. Prepared by the Seiler School, Harrisburg, Pa., and by private study.

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#### SUMMARY OF STUDENTS.

|                        |       |     |
|------------------------|-------|-----|
| Class of 1915,.....    | 92    |     |
| Class of 1916,.....    | 74    |     |
| Class of 1917,.....    | 97    |     |
| Class of 1918,.....    | 103   |     |
| Hearers,.....          | 2     |     |
|                        | <hr/> | 368 |
| Resident Fellows,..... | 15    |     |
| Graduates,.....        | 62    |     |
|                        | <hr/> | 77  |
| Total,.....            |       | 445 |

## BRYN MAWR COLLEGE.

BRYN MAWR COLLEGE was founded by Dr. Joseph W. Taylor, of Burlington, New Jersey, who died January 18th, 1880. By his will he left the greater portion of his estate for the purpose of establishing and maintaining an institution of advanced learning for women. The college is situated in the suburbs of Philadelphia, at Bryn Mawr, Pennsylvania, five miles to the west of the city. The site was purchased by the founder on account of its healthfulness and beauty, and the college buildings were begun during his lifetime. In 1880, the year of his death, the college was incorporated by the authority of the State of Pennsylvania, and invested with power to confer degrees. A circular of information was issued by the trustees in 1883. A president and a dean of the faculty were elected in the spring of 1884, and during the remainder of the year plans were matured and appointments made in the faculty. The courtesy of the presiding officers and instructors of existing universities and colleges facilitated an acquaintance with the prevailing college curriculum, and the domestic organisation of the woman's colleges, Vassar, Smith, and Wellesley, received careful consideration. To the Johns Hopkins University acknowledgment is especially due, since from it has been borrowed the system of major and minor electives in fixed combination to which Bryn Mawr College first gave the name of the Group System. In the spring of 1885 the first catalogue was issued, and the college was opened for instruction in the autumn of 1885.

*Introductory  
Statement.*

Three classes of persons are admitted to the lectures and class work of the college—graduate students, undergraduate students, and hearers.

*Admission.*

Graduate students must have presented a diploma from some college of acknowledged standing. They may pursue any courses offered by the college for which their previous training has fitted them; but they must satisfy the several instructors of

*Graduate  
Students.*



their ability to profit by the courses they desire to follow, and may be required to pursue certain introductory or auxiliary studies before they are admitted to the advanced or purely graduate courses.\* They are, moreover, entitled to personal guidance and direction, supervision of their general reading and furtherance of their investigations, from the instructors, and their needs are considered in the arrangement of new courses of lectures.

***Fellows  
and  
Scholars.***

The most distinguished place among the graduate students is held by the fellows and graduate scholars, who must reside in the college during the academic year. Four European travelling fellowships, seventeen resident fellowships and thirty-six graduate scholarships are awarded annually. The conditions of the award and the duties of holders of fellowships and scholarships are stated on pages 191 to 194.

***Under-  
graduate  
Students.***

Undergraduate students must have fulfilled the requirements for matriculation, stated on pages 161 to 169, and may enter the college at any age at which those requirements have been fulfilled. The studies leading to the degree of Bachelor of Arts are stated on pages 169 to 178.

Those students who do not wish to study for a degree are permitted to pursue any undergraduate courses offered by the College for which their previous training has fitted them; they will, in the event of a change of plan, be credited with such of their studies as may have coincided with the studies leading to a degree. Attention is called to the fact that the Group System enables all candidates for a degree to specialise in two or more subjects.

***Hearers.***

Hearers are excused from passing the matriculation examination; but they are strictly distinguished from matriculated students, and are entitled to reside in the college only when by so doing they exclude no matriculated student, and when the courses pursued by them are equivalent in number to those ordinarily pursued in each year by candidates for a degree. They must be women of at least twenty-five years of age, and

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\* For the convenience of graduate students the courses offered in the graduate departments of the college are reprinted from this in a separate part of the calendar, Part 2, Graduate Courses, which may be obtained free of charge by applying to the Secretary of the College.

must furnish proof that they have at some time pursued the studies included in the matriculation examination. They must satisfy the several instructors that they can profit by the courses that they desire to follow, and their admission to recitations, examinations, and laboratory exercises depends on the express consent of the instructor in charge. Hearers differ, moreover, from matriculated students in that they are not recognised by the College, and may receive only such certificates of collegiate study as may be given them by the several instructors. They may not receive degrees.

All candidates for the degree of Bachelor of Arts must elect their courses in accordance with the Group System, and an understanding of the principles of the system is necessary for an intelligent selection of courses.

*The  
Group  
System.*

In all departments as yet fully organised there is a course of five hours a week for two years, called a Major Course. Whenever one year of this course is of such a nature that it may be taken separately, it is designated as a Minor Course. Every candidate for a degree is required to take two such major courses as shall be homogeneous, or shall complete each other, and major courses which fulfil this condition are designated as Groups. The object of this system is to enable the student to acquire the foundations of a specialist's knowledge; and the Required Courses, namely, English (two years), philosophy, science, (two years, or, if a second year of science be not elected, history, or economics and politics, or philosophy, or psychology, or mathematics), are intended in part to supplement the Group, and in part to insure a more liberal training than could be obtained if every student combined elective studies at pleasure.

*Major  
Course.*

The required two years' course in English serves as a general introduction to the study of language and comparative literature. The required two years in science (or the substitute permitted of one year's course in science and one year's course in history, economics and politics, philosophy, or psychology, or mathematics), permit the student of chemistry and biology to pursue advanced courses in one or both of these branches, or to take a major course in physics; and they give for one year at least to the student of history and literature the same kind of

*Required  
Courses.*

instruction and discipline as is received by the scientific student. The one year's course in philosophy is a general introduction into the study of the laws, conditions, and history of thought.

*Post-major  
Courses.*

In almost all departments post-major courses, truly advanced courses which answer to graduate courses in many colleges, are organised and may be elected by students that have completed the major, or group, work in the subject.

*Free Elective  
Courses.*

All minor courses that do not presuppose required courses may be elected by any student, and special free elective courses of one, two, or three hours a week, are offered in many departments.

*Courses  
of  
Study.*

There are offered each year to undergraduates major courses of five hours a week, for two years, in the following subjects: Greek, Latin, English, German, French, Italian and Spanish, Modern History, Ancient History, Economics and Politics, Philosophy, Psychology, Classical Archæology, History of Art, Mathematics, Physics, Chemistry, Geology, and Biology; and elective courses in the above and in Biblical Literature, Experimental Psychology, and Education.

Graduate courses are offered in Sanskrit, and Indo-European Philology, Greek, Latin, English Philology including Anglo-Saxon, Early and Middle English, English Literature, German Literature, Gothic, Teutonic Philology, Old Norse, Old High German, Middle High German, Old Saxon, Modern and Old French, Italian, Spanish, and other Romance Languages, Hebrew, Aramaic, Assyrian, Biblical Literature, History, Economics and Politics, Social Economy and Social Research, Philosophy, Psychology, Education, Classical Archæology, Mathematics, Physics, Chemistry, Physical Chemistry, Geology, Mineralogy, Palæontology, Morphology, Physiology, and Biochemistry.

*Courses in  
Language  
and  
Literature.*

The courses in language and literature are meant, first of all, to be complete in themselves and extensive enough to meet the needs of special students, and secondly, to facilitate the study of comparative philology or of comparative literature. Whenever it has been practicable, as in Greek and Latin and in the modern languages, one half of the major course has been devoted to strictly linguistic studies, and the other half to the history of



literature. The group work in English is constructed on this model, one half of the course being devoted to philology, and the other half to literary interpretation. Courses of parallel reading are required of all students of language and literature, precisely as laboratory work is required of the students of chemistry or biology; these courses are intended to acquaint the students with the works of numerous authors, and it is especially hoped that students of Greek and Latin will, by this means, accustom themselves to read these languages without assistance.

The courses in ancient and modern languages are of equal difficulty, and are placed on a footing of equality. The traditional separation between ancient and modern languages has been disregarded, because, although strictly classical students may always be inclined to combine Greek and Latin, there is, nevertheless, no modern literature of which the study may not fitly be preceded, or supplemented, by the study of Latin or Greek.

Whenever possible, as in the courses in Greek, Latin, English, German, and French literature, in history, politics, philosophy, the history of art, mathematics, and science, the instruction is given by means of lectures. *Lectures.* It is the object of these lectures to give a clear and succinct statement of facts and principles; to enumerate and criticise with frankness hand-books, authorities, and editions; to bring the student's knowledge up to date, and to inform her, step by step, what things have been definitely ascertained and what things remain to be investigated. It is intended that the notes taken on these lectures, in addition to their immediate practical use, shall be of lasting value for reference, and be the starting-point, or at least the schedule, of studies to be undertaken at some future day. Every isolated student knows how difficult it is to be initiated into the modern scholastic movement otherwise than orally; therefore, in addition to the lectures, the several instructors appoint certain hours in which the students may consult them freely. The lectures are accompanied by class work, prescribed reading, and by frequent examinations; they are strictly special, not popular.

The Professors or Associates appointed are the recognised heads of their departments, and only such instructors have



been chosen as are qualified to direct both graduate and undergraduate work.

**Courses of  
Instruction.**

The undergraduate and graduate courses offered in the years 1914-15 and 1915-16 are as follows:

**Sanskrit, Greek, and Latin.**

Professors and instructors: Dr. Arthur Leslie Wheeler, Dr. Henry Nevill Sanders, Dr. Wilmer Cave Wright, Dr. George A. Barton, Dr. Tenney Frank, Dr. James Fulton Ferguson, Miss Abby Kirk, and Dr. Mary Hamilton Swindler.

Exceptional facilities for the study of all departments of classical philology are offered by the large classical library owned by the college. The greater part of this library is formed by the well-known collection of the late Professor Hermann Sauppe, of Göttingen, which was acquired in 1894. This has been supplemented by purchases made by the college library, so that the classical library now numbers some seven thousand volumes, including complete sets of most of the important journals, and about seven thousand dissertations and monographs.

**Sanskrit and Comparative Philology.**

The instruction in this department is under the direction of a non-resident lecturer in Sanskrit.

**GRADUATE COURSES.**

**Graduate  
Courses.**

Lectures on Comparative Philology and Philological Seminary.

*Two hours a week throughout the year.*

Students entering this course are expected to be familiar with German and French; a short preliminary course in Sanskrit is also of great aid to the student. The lectures on comparative philology treat of the connection of the Greek and Latin languages with the related languages of the Aryan group, first, phonetically, secondly, from the point of view of grammatical forms, and lastly, from the point of view of syntax. In the first part of the course, which covers what during the past years has been the field of the most active research, the student is introduced to the latest theories and discoveries in Aryan phonetics, and is expected to read and criticise the articles appearing from time to time in the philological journals, and to prepare reports on these articles. The same method is pursued during the investigation of the history of forms; and in the third part of the course the student begins the study of comparative syntax by a close comparison of the use of cases and verbal forms in Sanskrit, Greek, and Latin.

Elementary Sanskrit.

*Two hours a week throughout the year.*

Whitney's *Grammar* is used, and the classical selections from Lanman's *Reader* are read. Lectures are given on the phonology and morphology of Sanskrit.

The courses in Comparative Philology and in Elementary Sanskrit will not, as a rule, be given in the same year.

**Second Year Sanskrit.***One or two hours a week throughout the year.*

The Vedic selections in Lanman's *Reader* are read, with some additional hymns from the *Rigveda*. Selections from the classical literature are read at sight. Exercises in etymology are given to supplement the lectures on the phonology.

**Advanced Sanskrit.***Two hours a week throughout the year.*

Selected texts are read: the *Bhagavad-Gītā*; Kālidāsa's *Çakuntalā*, Acts I and II, with a careful study of the Prākṛit; selected hymns of the *Atharvaveda*. During the second term the course is conducted as a seminary, with use of the native commentaries.

**Greek.**

The instruction in this department is under the direction of Dr. Henry Nevill Sanders, Professor of Greek; Dr. Wilmer Cave Wright, Associate Professor of Greek; Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Miss Abby Kirk, Reader in Elementary Greek. The instruction offered in Classical Greek covers twenty-six hours of lectures and recitations a week apart from courses in Classical Archæology and New Testament Greek; it includes five hours a week of Matriculation Greek; ten hours a week of undergraduate major and minor work; five hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in Greek; and six hours a week of graduate work.

A course of five hours a week throughout the year is provided for those students that wish to study Greek, and whose examination for matriculation did not include it. Grammar and Composition are studied. Xenophon's *Anabasis* or *Memorabilia* and selections from Homer are read. Students may substitute for this course the minor, or first year's course in Latin. Either the matriculation course in Greek or the minor course in Latin is required of all candidates for the degree of Bachelor of Arts that have not passed the matriculation examination in Greek. This course is given by Miss Kirk under the direction of Dr. Wright.

**Matriculation Course.****FIRST YEAR.***(Minor Course.)***1st Semester.***(Given in each year.)*

Plato, *Phædo*, and Greek Prose Composition, Dr. Sanders. *Two hours a week.*

Sophocles, *Antigone*, Dr. Sanders. *One hour a week.*

Homer, *Odyssey*, Dr. Wright. *Two hours a week.*

*(May be taken as a free elective.)***Major Course.**

The Greek courses may not be offered for examination for advanced standing without class attendance.

Private reading: Euripides, *Alcestis*, ll. 1 to end must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 1-475 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 1-728 must be read by students taking the courses in Plato and in Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

### 2nd Semester.

Euripides, *Medea*, and Greek Prose Composition, Dr. Sanders.

*Two hours a week.*

Herodotus, Dr. Sanders.

*One hour a week.*

Homer, *Iliad*, Dr. Wright.

*Two hours a week.*

(May be taken as a free elective.)

The Greek courses may not be offered for examination for advanced standing without class attendance.

Private reading: Sophocles, *Philoctetes*, ll. 1-1080 and 1218-1313 must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 476-961 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 729 to end must be read by students taking the courses in Euripides and Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

### SECOND YEAR.

#### 1st Semester.

(Given in each year.)

Demosthenes, Dr. Sanders.

*Two hours a week.*

In and after the year 1914-15 work in Greek prose composition will be given in connection with this course.

Aristophanes, *Knights*, Dr. Sanders.

*One hour a week.*

History of Greek Literature, Ionio-Dorian, and Attic periods, Dr. Wright.

*Two hours a week.*

Students are admitted to the course in History of Greek Literature as a free elective who have not taken the work of the minor course.

Private reading: Æschylus, *Prometheus Vinculus*, ll. 1 to end must be read by students taking the five-hour course; Æschylus, *Persæ*, ll. 1-680 must be read by students taking the courses in Demosthenes and Aristophanes, omitting the course in Greek literature; Æschylus, *Prometheus Vinculus*, ll. 1-436 must be read by students taking the course in Greek literature, omitting the courses in Demosthenes and Aristophanes. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

### 2nd Semester.

Thucydides, Dr. Sanders.

*Two hours a week.*

In and after the year 1914-15 work in Greek prose composition will be given in connection with this course.

Sophocles, *Ædipus Coloneus*, Dr. Sanders.

*One hour a week.*

History of Greek Literature, Attic, Alexandrine, and Græco-Roman periods, Dr. Wright.

*Two hours a week.*

Students are admitted to the course in History of Greek Literature as a free elective who have not taken the work of the minor course.

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also. The lectures on Demosthenes and Thucydides and the one-hour courses in Aristophanes and Sophocles may not be elected separately.

Private reading: Æschylus, *Persæ*, ll. 1 to end must be read by students taking the five-hour course; Æschylus, *Persæ*, ll. 681 to end must be read by students taking the courses in Thucydides and Sophocles, omitting the course in Greek literature; Æschylus, *Prometheus Vinctus* ll. 437-876 must be read by students taking the course in Greek literature, omitting the courses in Thucydides and Sophocles. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

*Group:* Greek with any language, *or* with Philosophy, *or* with Philosophy and Psychology, *or* with Psychology, *or* with Ancient History, *or* with Classical Archæology, *or* with Mathematics.

#### FREE ELECTIVE COURSES.

Minor courses, amounting to eight or ten hours a week which may be taken as free electives, are offered in Ancient History and Classical Archæology. See pages 95 to 96, and 119 to 120.

***Free  
Elective  
Courses.***

#### POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. No student that has not completed the minor and major courses in Greek is admitted to any post-major course in Greek.

***Post-  
Major  
Courses.***

In 1914-15 the following post-major courses are offered:

##### *1st Semester.*

Sophocles, *Trachiniæ* and Euripides, *Heracles*, Dr. Sanders.

*Two hours a week.*

Herodotus, Dr. Sanders.

*One hour a week.*

Theocritus, Dr. Wright.

*Two hours a week.*

##### *2nd Semester.*

Greek Prose Composition, Dr. Sanders.

*One hour a week.*

Bacchylides, Dr. Sanders.

*One hour a week.*

Euripides, *Bacchæ*, Dr. Sanders.

*One hour a week.*

Æschylus, *Septem*, Dr. Wright.

*Two hours a week.*

In 1915-16 the following post-major courses are offered:

##### *1st Semester.*

Æschylus, *Oresteia*, Dr. Sanders.

*Two hours a week.*

Aristophanes, *Acharnians*, *Knights*, Dr. Sanders.

*One hour a week.*

Palatine Anthology or Lucian, Dr. Wright.

*Two hours a week.*



*2nd Semester.*

|   |                          |
|---|--------------------------|
| Pindar, Dr. Sanders.  | <i>Two hours a week.</i> |
| Sophocles, <i>Electra</i> or Euripides, <i>Electra</i> , Dr. Sanders. | <i>One hour a week.</i>  |
| Sophocles, <i>Ajax</i> , Dr. Wright.                                  | <i>Two hours a week.</i> |

In 1916-17 the following post-major courses are offered:

*1st Semester.*

|   |                          |
|---|--------------------------|
| Minor Orations of the Attic Orators, Dr. Sanders.                   | <i>Two hours a week.</i> |
| Sophocles, <i>Antigone</i> or <i>Ædipus Tyrannus</i> , Dr. Sanders. | <i>One hour a week.</i>  |
| Melic Poets, Dr. Wright.  | <i>Two hours a week.</i> |

*2nd Semester.*

|  |                          |
|--|--------------------------|
| Æschylus, <i>Agamemnon</i> , or Thucydides, Dr. Sanders. | <i>Two hours a week.</i> |
| Greek Prose Composition, Dr. Sanders.                    | <i>One hour a week.</i>  |
| Plato, <i>Republic</i> , Dr. Wright.                     | <i>Two hours a week.</i> |

## GRADUATE COURSES.

**Graduate Courses.**

Six hours a week of seminary work are offered each year to graduate students of Greek, accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduates.

The graduate courses in Greek are varied from year to year in two series, Attic Tragedy, Orators, and Historians, and the Homeric Question, Plato, and Aristophanes, in order that they may be pursued by a student for consecutive years. Students electing Greek as a major subject for the degree of Doctor of Philosophy must offer not less than two seminars and the journal club for two years and if Greek be also elected as the associated minor the candidate must offer two seminars and one journal club for three years. A list of approved associated minors and independent minors is given in the Regulations of the Academic Council. The post-major courses are open to graduate students. A large part of the work expected of graduate students consists of courses of reading pursued under the direction of the department, and reports of this reading are from time to time required of the students. A reading knowledge of French and German is required. The course in Comparative Philology is recommended to graduate students of Greek. For graduate courses in Classical Archaeology, which may be offered as an associated or independent minor by students taking Greek as a major for the degree of Doctor of Philosophy, see page 121.

|                              |  |
|------------------------------|--|
| Greek Seminary, Dr. Sanders. | <i>Three hours a week throughout the year.</i> |
|------------------------------|--|

(Given in each year.)

In 1914-15 Attic Tragedy is the subject of the seminary. The work of the seminary in textual criticism is devoted to Sophocles. Members of the seminary report on assigned subjects and give critical summaries of current classical literature.

In 1915-16 Greek Orators will be studied in the seminary. The work consists of the reading of large portions of all the orators and the critical interpretation of a selected part of each. Lectures are given on legal antiquities, the syntax, and the style of the various authors, in conjunction with which Dionysius of Halicarnassus and the Greek Rhetoricians are studied. The later rhetoricians are treated and the criticism of antiquity investigated. Students are expected to provide themselves with the Teubner text editions of Antiphon, Andocides, Lysias, Isocrates, Iseus, Æschines, Hypereides, and Demosthenes. The classical library is well equipped with works on the orators.

In 1916-17 Greek Historians will be the main subject of the seminary. Thucydides is studied in detail and reports are made on data of history contained in Greek literature in general. Lectures are given by the instructor on subjects connected with Greek historiography, such as the composition of Thucydides's history, the syntax and style of Thucydides, the history of early prose, Greek historical inscriptions.

Greek Seminary, Dr. Wright.

*Two hours a week throughout the year.*

*(Given in each year.)*

In 1914-15 Plato is the subject of the seminary. The work is mainly literary and critical. Lectures on the style, philosophy, and chronology of the dialogues are given by the instructor; a detailed interpretation of a portion of Plato, and reports on topics set for discussion are given by the class. The students are expected to read the *Republic*, *Theætetus*, *Parmenides*, and *Sophist* and discuss certain problems arising from these dialogues. The aim of the course is to lay a foundation for independent work by familiarising the students with the achievements of German scholarship and the general field of Platonic literature up to the present day. Analyses of German and Latin dissertations are expected from the class. Lutoslawski's *Origin and Growth of Plato's Logic* is criticised in detail. Every member of the seminary should provide herself in advance with a complete text of Plato. The Clarendon Press (Oxford) edition is recommended.

In 1915-16 the Homeric Question will be the subject of the seminary, and the work will consist of a review of the discussions of the Homeric poems since the publication of Wolf's *Prolegomena*. The various tests that have been applied to the poems by archæologists, linguists, historians of myths, and æsthetic critics will be taken up and criticised in detail.

In 1916-17 Aristophanes will be the subject of the seminary. The aim of the seminary is to make the students familiar with the more important Aristophanic literature up to the present day. Portions of the text are interpreted by the class and reports on assigned topics, literary, historical, and archæological, connected with the plays are expected from all the members. All the comedies of Aristophanes are read in the course of the year; lectures are given by the instructor on the metres and syntax of Aristophanes, on the dramatic structure of the plays and on the history of Attic comedy. Part of the work consists of analyses of Latin and German dissertations on Aristophanes which are presented by members of the class. Every member of the class should provide herself in advance with a complete text of Aristophanes. The Clarendon Press (Oxford) edition is recommended.

Greek Journal Club, Dr. Sanders and Dr. Wright.

*One and a half hours once a fortnight throughout the year.*

The instructors and the advanced students meet to report on and discuss recent articles and books.

## Latin.

The instruction in this department is under the direction of Dr. Arthur Leslie Wheeler, Professor of Latin, Dr. Tenney Frank, Professor of Latin, Dr. James Fulton Ferguson, Asso-

ciate Professor (elect) in Ancient History and Latin, and Dr. Mary Hamilton Swindler, Reader in Latin and Reader and Demonstrator in Classical Archaeology. The instruction offered in Latin covers twenty-three hours of lectures and recitations a week, and includes ten hours a week of undergraduate major and minor work; one hour a week of free elective, six hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in Latin; and six hours a week of graduate work.

## FIRST YEAR.

(Minor Course.)\*

## 1st Semester.

(Given in each year.)

**Major Course.**Cicero, *Letters*, Dr. Wheeler, Dr. Ferguson, and Dr. Swindler.

Three hours a week.

The class is divided into three sections, one of which is assigned to each instructor.

Horace, *Odes*, Dr. Frank, Dr. Ferguson, and Dr. Swindler.

Two hours a week.

(May be taken as a free elective.)

The class is divided into three sections, one of which is assigned to each instructor.

Private reading: Sallust's *Catilina* must be read during the first semester by students taking the five-hour course. Students taking the course in Horace only must read one half of the *Catilina* in each semester, while those taking the three-hour course in Cicero only read one half of the *Stories* from Gellius in each semester. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

## 2nd Semester.

Terence, *Phormio*, *Adelphoe*, and *Andria*, Dr. Wheeler, Dr. Ferguson, and Dr. Swindler.

Three hours a week.

Horace, *Selections from the Satires and Epistles* and Vergil, *Eclogues*, Dr. Frank, Dr. Ferguson, and Dr. Swindler.

Two hours a week.

(May be taken as a free elective.)

Private reading: *Stories* from Gellius must be read by students taking the five-hour course. *Stories* from Gellius (second half) must be read by students taking the course in Terence only. Sallust, *Catilina* (second half) must be read by students taking the course in Horace only. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

## SECOND YEAR.

## 1st Semester.

(Given in each year.)

Tacitus, *Annals*, Dr. Wheeler.

Two hours a week.

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\* For regulations regarding the passing off of the Minor Latin, see footnote, page 165. Students passing off the Minor Latin course for advanced standing are not required to take the separate examinations in private reading.

The reading is devoted chiefly to those parts of *Books i-vi* bearing on the character of Tiberius, a study of which forms one of the main objects of the course. Other important topics are Tacitus's method as a historian, his style as a writer, the peculiarities of "Silver" Latin, etc. Several lectures are given on these and other subjects.

Latin Composition, Dr. Wheeler.

*One hour a week.*

Training in writing Latin is intended to give the student a more intimate knowledge of the language and to aid her in differentiating the styles of the authors read in the course. There will be some practice in oral work.

Lectures on Latin Literature, Dr. Frank.

*Two hours a week.*

The lectures in this course treat the history of Latin Literature from its earliest beginnings down to the end of the second century of the Christian era, including all the authors from whose writings any important remains have been preserved. The libraries in each hall contain texts of the most important authors and extensive reading is required.

No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

Private reading: Cicero, *De Senectute* must be read by students taking the five-hour course; Tacitus, *Agricola* (first half) must be read by students taking the course in Tacitus only; Cicero, *De Senectute* (first half) must be read by students taking the course in Latin Literature only. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

## 2nd Semester.

Latin Comedy, Plautus, Dr. Wheeler.

*Two hours a week.*

The origin, development, and characteristics of Roman comedy are studied. Much attention is devoted to the peculiarities of archaic and colloquial Latin and to the reading of the simpler metres. Such topics as the theatre, stage, and actors receive special treatment in lectures. Three or four plays are read in class.

Latin Composition (continued), Dr. Wheeler.

*One hour a week.*

Lectures on Latin Literature (continued), Dr. Frank.

*Two hours a week.*

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also.

No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

Private reading: Tacitus, *Agricola* must be read by students taking the five-hour course; Tacitus, *Agricola* (second half) must be read by students taking the course in Latin Comedy; Cicero, *De Senectute* (second half) must be read by students taking the course in Latin Literature only. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

*Group:* Latin with any language, or with Philosophy, or with Classical Archæology, or with Ancient History, or with Mathematics.

## FREE ELECTIVE COURSE.

Lectures on Roman Life, Dr. Frank.

*One hour a week throughout the year.*

*(Given in each year.)*

**Free  
Elective  
Course.**

An attempt is made to describe briefly Roman social and economic conditions, as well as the development of religious beliefs and institutions.



## POST-MAJOR COURSES.

**Post-  
Major  
Courses.**

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. No student that has not completed the minor and major courses in Latin is admitted to any post-major course in Latin.

In 1914-15 and again in 1916-17 the following post-major courses are offered:

*1st Semester.*

Roman Elegy, Dr. Wheeler.

*Two hours a week.*

An effort is made to trace historically the development of this branch of poetry among the Romans. Selections from Catullus, Tibullus, Propertius, and Ovid are read and the readings are supplemented by occasional lectures. Special attention is devoted to the structure and reading of the elegiac distich and to the characteristics of Roman poetic diction. Each student is required to prepare papers on assigned topics in each semester.

The Life and Works of Vergil, Dr. Frank.

*Three hours a week.*

The larger part of the *Aeneid*, two books of the *Georgics* and some of the minor poems are read and discussed.

Latin Prose Composition, Dr. Frank.

*One hour a week.*

*2nd Semester.*

Roman Elegy (continued), Dr. Wheeler.

*Two hours a week.*

Roman Prose of the Empire, Dr. Frank.

*Three hours a week.*

Selections from Velleius, Seneca, Quintilian, Tacitus, Suetonius, Apuleius and Minucius Felix are read.

Latin Prose Composition (continued), Dr. Frank.

*One hour a week.*

In 1915-16 and again in 1917-18 the following post-major courses are offered:

*1st Semester.*

Roman Satire, Dr. Wheeler.

*Two hours a week.*

The subject is treated historically in order to give an outline of the origin and development of Satire. The class reads selections from Horace, Persius, Seneca, Petronius, and Juvenal, together with some of the fragments of Ennius, Lucilius, and Varro. The readings are supplemented by occasional lectures. Each student is required to prepare papers on assigned topics in each semester.

Lucretius and Catullus, Dr. Frank.

*Three hours a week.*

Selections from the *De Rerum Natura* and from the Lyrics of Catullus are read.

Latin Prose Composition, Dr. Frank.

*One hour a week.*

*2nd Semester.*

Roman Satire (continued), Dr. Wheeler.

*Two hours a week.*

Cicero and Cæsar, Dr. Frank.

*Three hours a week.*

An effort is made by means of lectures, discussions, and extensive reading to gain an intimate acquaintance with the literary work and the political careers of Cicero and Cæsar.

Latin Prose Composition (continued), Dr. Frank.

*One hour a week.*

## GRADUATE COURSES.

**Graduate Courses.**

Six hours a week of seminary work are offered each year to graduate students of Latin accompanied by the direction of private reading and original research. The books needed by graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to six hours a week may be elected by graduates.

The graduate work in Latin is conducted according to the seminary method, and is intended not only to broaden the student's knowledge, but also to teach methods of work. The graduate courses in Latin are varied from year to year in three series, Roman Comedy, Lyric Poetry, and Elegy and Roman History, Epigraphy and Literature, or Syntax. Students electing Latin as a major subject for the degree of Doctor of Philosophy must offer not less than two seminars and the journal club for two years and if Latin be also elected as the associated minor the candidate must offer two seminars and one journal club for three years. A list of approved associated and independent minors is given in the Regulations of the Academic Council. It is desirable that all students who intend to do advanced work in Latin should have some knowledge of Greek. A reading knowledge of French and German is also necessary.

Latin Seminary, Dr. Wheeler.

*Three hours a week throughout the year.*

*(Given in each year.)*

In 1914-15 Roman Elegy as represented by Tibullus, Propertius, and Ovid is the subject of the seminary. In addition to a careful study of selected poems an effort is made to trace the history of elegy among the Romans. The various topics connected with the subject are treated in detail as far as time permits, and the students are encouraged to familiarise themselves with the best literature in editions, periodicals, and dissertations. The texts recommended are the Oxford Clarendon Press editions of Catullus and Tibullus, edited by Ellis and Postgate, and the Leipsic (Teubner) text of Propertius, edited by C. Hosius, 1911. The best commentaries are Kirby Smith's *The Elegies of Tibullus*, New York, 1913 (American Book Co.), and M. Rothstein's *Die Elegien des Sextus Propertius*, Berlin, 1898 (Weidmann). For Catullus see Roman Lyric.

In 1915-16 Latin Comedy will be the subject of the seminary. All the plays of Plautus and Terence are read by the students; single plays form the basis of special work on the language, text, metres, etc. Students should provide themselves with the text edition of Plautus, edited by Goetz and Schoell, Leipsic, Teubner, 1892-1904, or that of W. M. Lindsay, Oxford, 1903-04, and with Dziatzko's text of Terence, Leipsic, Tauchnitz, 1884. The plays of Plautus, annotated by Brix, Leipsic, Teubner, 1901-12, and by Lorenz, Berlin, Weidmann, 1876-86, and the plays of Terence, annotated by Dziatzko (revised by Hauser), 1898 and 1913 (Teubner), and by Spengel, 1879 and 1905 (Weidmann), are also recommended. *P. Terenti Afri Commoediae*, edited by S. G. Ashmore, Oxford University Press, New York, 1908, is a convenient commentary.

In 1916-17 Roman Lyric in the Period of the Republic is the subject of the seminary. After a rapid survey of the fragmentary lyric remains of the predecessors and contemporaries of Catullus, the poems of Catullus himself are studied in detail. Students should have *Catulli carmina* (Oxford text, 1904), edited by Robinson Ellis, and either the same scholar's *Commentary on Catullus*, Oxford, Clarendon Press, 1889 (second edition), or G. Friedrich's *Catulli Veronensis liber*, Leipsic and Berlin, 1908 (Teubner).

## Latin Seminary, Dr. Frank.

*Two hours a week throughout the year.**(Given in each year.)*

In 1914-15 selected topics in Roman Literature are studied. The work consists of studies in the beginnings of the Roman epic, tragedy, and prose. The students read reports on special subjects assigned to them. A study of Latin Syntax may be substituted.

In 1915-16 Cicero's Correspondence will be the subject of the seminary. An effort will be made to master typical textual and linguistic problems presented by this text, and more especially to extend the student's acquaintance with the Roman civilisation of Cicero's day.

In 1916-17 Latin Epigraphy and Paleography will be the work of the seminary. About two-thirds of the course is devoted to the study of the *Corpus Inscriptionum*. The questions assigned for investigation deal mainly with Roman political institutions, public and private life, and with historical grammar. Dessau's *Inscriptiones Latinae Selectae* is used in the class room. The paleographical facsimiles of Chatelain, Zangemeister and Wattenbach, and Arndt form the basis for work in the latter part of the course.

## Latin Journal Club, Dr. Wheeler and Dr. Frank.

*One and a half hours once a fortnight throughout the year.*

The instructors and the advanced students meet to report on and discuss recent articles and books.

## MODERN LANGUAGES.

Professors and instructors: Dr. M. Carey Thomas, Dr. Fonger DeHaan, Miss Lucy Martin Donnelly,\* Dr. Karl Detlev Jessen, Dr. Carleton Fairchild Brown, Dr. Richard Thayer Holbrook, Dr. Orie Latham Hatcher, Dr. Regina Katharine Crandall, Dr. Agathe Lasch, Dr. Eunice Morgan Schenck, Dr. Samuel Claggett Chew, Jr., Dr. Jean Baptiste Beck, Mr. Samuel Arthur King, Dr. Pierre François Giroud, Mr. Howard James Savage (elect), Miss Mary Jeffers, Dr. Edna Aston Shearer, Dr. Ida Langdon, Miss Christine Potts Hammer, Miss Esther Cloudman Dunn, Dr. Dorothy Brewster, Miss Ellen Thayer, and Miss Clara Whitney Crane.

## English.

The instruction in this department is under the direction of Dr. M. Carey Thomas, Professor of English, Miss Lucy Martin Donnelly,\* Professor of English, Dr. Carleton Fairchild Brown, Professor of English Philology, Dr. Orie Latham Hatcher, Associate Professor of Comparative Literature and Elizabethan Literature, Dr. Regina Katharine Crandall, Director of Essay Work, Dr. Samuel Claggett Chew, Jr., Associate in English Literature, Mr. Samuel Arthur King, Non-resident Lecturer in

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\* Granted leave of absence for the year 1915-16.



English Diction, Mr. Howard James Savage, Lecturer (elect) in English Literature and Rhetoric, Dr. Edna Aston Shearer, Dr. Ida Langdon, Miss Christine Potts Hammer, Miss Esther Cloudman Dunn, Dr. Dorothy Brewster, and Miss Clara Whitney Crane, Readers in English. The instruction offered in English covers forty-four hours of lectures and recitations a week, and includes two years of lectures on literature and language required of every candidate for the Bachelor's degree; two years of Minor and Major English, which presuppose as much information as is contained in the required course, and may be elected in combination with the major course in any other language, or with philosophy, or with philosophy and psychology, or as a free elective; six hours a week of free elective work; one hour a week of elective courses in English diction, and graduate courses in English literature, Anglo-Saxon, and Early and Middle English.

The required course consists of lectures on literature and language, in which the history of English literature is regarded as far as possible from the point of view of European literature generally; a study of the principles of English composition with constant practice in writing; and courses of private reading, which are meant to familiarise the student with English authors. The instruction in English composition is given in three ways: in introductory lectures, in written corrections on papers written by the students, and in conferences between the instructors and students. The course in English composition and rhetoric is connected with the lectures on literature and language and may not be elected separately.

**Required Course.**

**FIRST YEAR.**

*1st Semester.*

(Given in each year.)

Lectures on the history of the English language and Anglo-Saxon literature, with an introduction into the study of early Teutonic literature and mythology, Miss Donnelly.\*

*Three hours a week.*

The Principles of Articulation, Mr. King.

*One hour a fortnight.*

This course deals with a system of oral gymnastics, by which a distinct, firm, and fluent articulation can be acquired. The means of instruction for improving the quality of the speaking voice, and for acquiring a correct production, are pointed out. Special attention is paid to the cure of nasality and other vicious habits of speaking. The common errors of articulation and the vulgarisms constantly heard in every-day speech are clearly defined. A special class will be formed to assist those students whose defects of articulation are so marked as to make it difficult for them to work with the other members of the class.

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\* Granted leave of absence for the year 1915-16. The courses offered by Miss Donnelly will be given by Mr. Savage in 1915-16.



English Composition and Rhetoric, Miss Donnelly, Dr. Crandall, Dr. Langdon, Miss Hammer, Miss Dunn, Dr. Brewster, Miss Crane.

*One and a half hours a week.*

The lectures on the history of the English language and the course in English composition and rhetoric may not be elected separately. The work in English composition consists of short papers each week on subjects drawn from the student's personal experience, and longer papers on subjects drawn from the lectures on the history of the English language and literature and from assigned reading. In the rhetoric course the principles of English composition are studied and their practice is taught in the papers written by the students. A written examination is held on the work in English composition and rhetoric at the end of the semester. Written examinations on the lectures are held from time to time during the semester and credit is given for the style and structure of the papers.

### *2nd Semester.*

Lectures on the history of English literature to the death of Spenser, inclusive, with an introduction into the study of mediæval literature. Miss Donnelly.\*

*Three hours a week.*

The Principles of Articulation (continued), Mr. King. *One hour a fortnight.*

English Composition and Rhetoric, Miss Donnelly,\* Dr. Crandall, Dr. Langdon, Miss Hammer, Miss Dunn, Dr. Brewster, Miss Crane.

*Two hours a week.*

The lectures on the history of English literature and the course in English composition and rhetoric may not be elected separately. The plan of work of the first semester is continued. In the rhetoric course the principles of English composition are studied throughout the semester and their practice is taught in the papers written by the students. A written examination on the work in English composition and rhetoric is held at the end of each semester. Written examinations on the lectures on the history of English literature are held from time to time during the semester and credit is given for the style and structure of the papers.

## SECOND YEAR.

### *1st Semester.*

*(Given in each year.)*

Lectures on the history of English literature from the death of Spenser to the Restoration, inclusive, with a short account of the influences of the contemporary continental literatures, Miss Donnelly.\*

*Two and a half hours a week.*

The Sonant Properties of Speech, Mr. King.

*One hour a fortnight.*

This course consists of a detailed study of the principles of inflection, pitch, and rhythm, together with special treatment of emphasis and rules on pausing. Students are required from time to time to read aloud in order that individual faults may be corrected.

English Composition, Miss Donnelly,\* Dr. Crandall, Dr. Shearer, Dr. Langdon, Miss Hammer, Miss Dunn, Dr. Brewster.

*Two hours a week.*

The lectures on the history of English literature and the course in English composition may not be elected separately. The course in English composition consists of one short paper each fortnight on a subject drawn from the student's personal experience, one argumentative paper, and one critical paper on a subject drawn from the lectures on the history of English literature. A written examination on the work in English composition is held at the end of each semester. Written examinations on the lectures on the history of English literature are held from time to time during the semester and at the end of each semester and credit is given for the style and structure of the papers.

\* See footnote, page 63.

*2nd Semester.*

Lectures on the history of English literature from the Restoration to the present time, Miss Donnelly.\* *Two and a half hours a week.*

The Sonant Properties of Speech (continued), Mr. King.

*One hour a fortnight.*

English Composition, Miss Donnelly,\* Dr. Crandall, Dr. Shearer; Dr. Langdon, Miss Hammer, Miss Dunn, Dr. Brewster. *Two hours a week.*

The lectures on the history of English literature and the course in English composition may not be elected separately. The work of the semester in English composition consists of one short paper each fortnight on a subject drawn from the student's personal experience, one twenty-four page critical paper on an author chosen by the student with the approval of her instructor, a narrative, and two shorter so-called imitative papers during the writing of which the principles of imitative writing are discussed in the lectures. A written examination is held on the work at the end of each semester. Written examinations on the lectures on the history of English literature are held from time to time during the semester and at the end of each semester and credit is given for the style and structure of the papers.

The major course in English differs slightly from the other major courses of the college, in that it must always have been preceded by two years' study of English in the required undergraduate courses, and is intended for graduate students or for those undergraduate students who are anxious to specialise in English. Any of the courses, except the courses in English Drama, in English Fiction in the nineteenth century and in English Literature from Milton to Pope, and in Middle English Poetry and Chaucer, and Shakespeare, may be taken separately as free electives by students that have completed the required course. Students wishing to specialise in language may substitute the course in Middle English Romances or the courses in Middle English Poetry and Chaucer for the course in the English Drama, and the course in Anglo-Saxon or Shakespeare for the course in English Fiction in the nineteenth century.

**Major Course.**

## FIRST YEAR.

*1st Semester.**Minor Course. (Literature.)*

English Critics of the Nineteenth Century, Dr. Chew. *Five hours a week.*

*(Given in each year.)*

Carlyle, Newman, Ruskin, Arnold, Pater, and Swinburne are studied with regard to their theories of criticism and to their influence upon the thought of their time. Occasional short reports and one long paper in each semester must be prepared by all the students attending the course. The amount of required reading is large. In 1914-15 this course met three hours a week throughout the year.

*2nd Semester.*

English Poetry, 1850-1914, Dr. Chew.

*Five hours a week.*

*(Given in 1915-16 and again in 1916-17.)*

A review of the progress of poetry during the earlier years of the reign of Queen Victoria is followed by a more detailed study of the poets of the later period. Among the

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\* See footnote, page 63.

poets studied are Arnold, Clough, James Thomson, Rossetti, Morris, Swinburne, Meredith, Newman, Patmore, Francis Thompson, Henley, Kipling, Blunt, Watson, Yeats, and Masfield. Reports are assigned on special topics and one long paper in each semester must be prepared by each student attending the course. This course was given in 1914-15 two hours a week throughout the year.

English Poets of the Romantic Movement, Miss Donnelly.

*Five hours a week.*

*(Given in 1917-18.)*

The poets studied in this course are Wordsworth, Coleridge, and Shelley in the first semester and in the second, Byron, Keats, and Landor. Their works are discussed in class in connection with questions of poetics and literary theory and reports and essays are required from students attending the course.

*1st Semester.*

*Language.*

Anglo-Saxon Grammar and Reading and Beowulf, Dr. Brown.

*Five hours a week.*

*(Given in 1915-16 and again in 1917-18.)*

The first half of the course is devoted to an outline of Anglo-Saxon grammar as presented in Siever's *Old English Grammar* (Cook's translation) and to the reading of the prose selections in Bright's *Anglo-Saxon Reader*. After reading one or two of the shorter Anglo-Saxon poems, the *Beowulf* is taken up (Holthausen's or Schücking's text) and the first two-thirds of the poem is read with the class. This course was given in 1914-15 two hours a week throughout the year.

Middle English Romances, Dr. Brown.

*Five hours a week.*

*(Given in 1916-17 and again in 1918-19.)*

Selected romances are read by the members of the class. The lectures deal with the development of Romance literature in English with special reference to the romances of Germanic origin and the Arthurian cycle. This course was given in 1914-15 two hours a week throughout the year.

## SECOND YEAR.

*1st Semester.*

*Literature.*

*(Given in each year.)*

English Drama, Dr. Chew.

*Five hours a week.*

This course is intended to give students who have completed the required course in English a survey of the development of the early drama, a more intimate knowledge of the Elizabethan and Jacobean period, and an introduction to the later periods of the drama. Plays by Lyly, Greene, Marlowe, Shakespeare, Jonson, Middleton, Beaumont and Fletcher, and Webster, and among later dramatists Dryden, Congreve, Steele, Sheridan, and certain nineteenth century playwrights will be read. Short reports on special topics will be required. In 1914-15 this course was given three hours a week throughout the year.

*2nd Semester.*

English Fiction in the Nineteenth Century, Mr. Savage. *Five hours a week.*

*(Given in 1915-16.)*

English Literature from Milton to Pope.

*Five hours a week.*

*(Given in 1916-17.)*

The main topics considered in this course are the works of Milton, Butler, Dryden, Defoe, Steele, Addison, Swift, and Pope; the interrelation of France and England during the period; and the progress of literary criticism.



*2nd Semester.**Language.*

Middle English Poetry and Chaucer, Dr. Brown.

*Five hours a week.**(Given in 1915-16 and again in 1917-18.)*

The complete text of the *Owl and Nightingale*, and *Pearl* will be read, as well as selections from Langland's *Vision of Piers the Plowman* and other pieces. Lectures are given on the development of the language and literature during this period. In the course on Chaucer the best of the *Canterbury Tales* are studied, also the *Legend of Good Women*, *The House of Fame*, and portions of *Troilus and Criseyde*. The lectures discuss Chaucer's courses and literary art, and his relation to the English, French, and Italian literature of his time.

Shakespeare, Dr. Brown.

*Five hours a week.**(Given in 1916-17 and again in 1918-19.)*

A careful study is made of a number of Shakespeare's plays, selected with a view to illustrating his earlier and later work and his method in comedy, tragedy, and chronicle history. The plays usually chosen are: *Romeo and Juliet*, *Henry V*, *Othello*, *Hamlet*, and *Winter's Tale*. Some of the more general problems connected with these plays are discussed in introductory lectures.

*Group:* English with any language, or English with Philosophy, or English with Philosophy and Psychology.

## FREE ELECTIVE COURSES.

Daily Themes, Dr. Crandall.

*Two hours a week during the first semester.**(Given in each year.)*

Short papers on subjects chosen by the students themselves are required from each student and discussed in the class.

Narrative Writing, Dr. Crandall.

*Two hours a week during the second semester.**(Given in each year.)*

The style and methods of the best modern writers of short stories, both English and French, are treated in this course. The course is open to students who have obtained the grade of merit in two semesters or of credit in one semester of the required course in English Composition, but no student may take this course at the same time that she is taking another course in English Composition.

Argumentation, Miss Shearer.

*Two hours a week throughout the year.**(Given in each year.)*

In the first semester the technique of Argumentation is studied. In the second semester the relation between the laws of thought emphasised in the first semester and the ordinary forms of prose composition is established; if the class is sufficiently large part of the time is given to debate. The course is open to students who have obtained the grade of merit in two semesters, or of credit in one semester of the required course in English Composition, but no student may take this course at the same time that she is taking another course in English Composition.

Descriptive Writing, Dr. Langdon.

*Two hours a week during the first semester.**(Given in each year.)*

In this course the principles of description are discussed, and papers are written and criticised in the light of these principles. The course is open to students who have obtained the grade of merit in two semesters or of credit in one semester of the required course in English Composition, but no student may take this course at the same time that she is taking another course in English Composition.

**Free  
Elective  
Courses.**



**A Study of Poetics, Dr. Langdon.***Two hours a week throughout the year.**(Given in each year.)*

This course consists of a study of poetics based upon various treatises and essays concerning the art of poetry. The students will be required to write a number of reports and papers. The course is open to students who have completed the required course in English composition and may be taken at the same time as another elective course in writing.

**General Reading of Prose Authors, Mr. King.***One hour a week throughout the year.**(Given in 1914-15 and again in 1916-17.)*

This course is open only to those students who have attended the lectures in English diction given in the general course.

**Reading of Shakespeare, Mr. King.***One hour a week throughout the year.**(Given in 1913-14 and again in 1915-16.)*

This course is open only to those students who have attended the lectures in English diction given in the general course. A special study is made of the principles of correct delivery of blank verse. The needs of those students who expect to teach English literature and desire to read Shakespeare to their pupils are given special attention.

## GRADUATE COURSES.

**Graduate Courses.**

There are offered each year distinct graduate seminaries and courses in English literature and in English language, and these seminaries and courses are varied so as to enable candidates for the degree of Doctor of Philosophy to pursue graduate work for three or more successive years. The graduate instruction in English literature includes the direction of private reading and the assignment of topics for investigation. The graduate courses in literature presuppose at least as much knowledge as is obtained in the two years' course of undergraduate lectures on English literature and in one of the literature years of the English major; and the graduate courses in Anglo-Saxon presuppose as much knowledge of Anglo-Saxon as is obtained in the language year in the English major. All students offering English as a subject for the degree of Doctor of Philosophy must have taken at least the equivalent of the essay work in the required English course.

Students who elect English literature as their major subject in their examination for the degree of Doctor of Philosophy must offer English philology as an associated minor and those who offer English philology as a major subject must offer English literature as an associated minor. In the major together with the associated minor the student must offer two seminaries and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

**Seminary in Middle English, Dr. Brown.***Three hours a week throughout the year.**(Given in each year.)*

In 1914-15 the seminary undertakes the study of *The Vision of Piers the Plowman* and the works of Chaucer. Attention is devoted not so much to the critical reading of the texts themselves as to the examination of the questions of authorship and chronology which have recently been raised. These poems are also discussed in their relation to the other literature of the fourteenth century. Special subjects for individual investigation are assigned to the members of the seminary.

In 1915-16 the Beginnings of English Drama will be the subject of the seminary. After tracing the emergence of plays in the vernacular from the liturgical drama, the evolution of the leading English mystery cycles will be studied. In considering the morality plays, their connection with mediæval allegories, debates, and didactic treatises will be specially examined. The lectures given by the instructor are designed to afford a general survey of the drama (both religious and secular) in England to the accession of Queen Elizabeth. Critical reports on assigned topics are required from the students.

In 1916-17 Middle English Romances will be the subject. All the romances represented in Middle English are read, and the relation of these English versions to their Latin and Old French originals are discussed. The romance cycles are taken up in the following order: Troy story, Alexander saga, romances of Germanic origin, Arthurian cycle, Charlemagne cycle. Special investigations of problems relating to the romances are undertaken from time to time by the members of the seminary.

Beowulf, Dr. Brown.

*Two hours a week throughout the year.*

*(Given in 1914-15 and again in 1916-17.)*

This course gives in the first place a general survey of Beowulf criticism, including textual problems, theories as to the composition of the poem, and an enquiry into its historical and mythological elements. In this connection a study is also made of the other pieces of Anglo-Saxon heathen poetry. This course is open to graduate students who have already taken the course in Anglo-Saxon or its equivalent.

English Historical Grammar, Dr. Brown.

*Two hours a week throughout the year.*

*(Given in 1914-15 and again in 1916-17.)*

In this course the development of the English language is traced from the earliest times. After an outline of the history and external relations of English, the change and decay of inflections, the use of prepositions and the more important points in historical syntax are discussed. The course presupposes a knowledge of Anglo-Saxon and Middle English.

Cynewulf and Cædmon, Dr. Brown.

*Two hours a week throughout the year.*

*(Given in 1915-16 and again in 1917-18.)*

Several of the poems traditionally ascribed to those authors are critically studied. Lectures are given furnishing an introduction to Anglo-Saxon Christian poetry and the literary problems connected with it. This course is open to graduate students who have already taken the course in Anglo-Saxon, or its equivalent.

Seminary in English Literature, Miss Donnelly.

*Two hours a week throughout the year.*

*(Given in alternate years.)*

In 1914-15 Donne and Milton are the subject of the seminary. They are studied in their relation to such contemporary influences as Platonism and the Church and Puritanism and in especial to the sources and development of poetical style in the seventeenth century.

In 1916-17 Swift, Addison, and Steele will be studied. Attention will be given to their relations to both contemporary politics and literature.

In 1918-19 Shelley and Byron will be studied in the seminary. Special attention is given to the phases of Romanticism shown in their work and to their relations to their contemporaries in England and on the Continent.

## Seminary in English Literature, Dr. Chew.

*Three hours a week throughout the year.**(Given in each year.)*

In 1914-15 the subject of the seminary is English satire. After some consideration of mediæval satire the growth of the type is studied in the poetry of Lodge, Hall, Marston, Donne, Butler, Cleveland, Marvell, Oldham, Dryden, Pope, Swift, Churchill, Cowper, Gifford, Canning, and Byron. Certain related topics, such as the satiric element in the drama and pastoral, and in character writing receive attention.

In 1915-16 the seminary will be devoted to the study of English literature during the latter half of the reign of Queen Victoria. The work and influence of the Pre-Raphaelites, Swinburne, Meredith, and Pater; the influence of Baudelaire and Verlaine; the "Celtic Revival;" the revival of the drama; and the "new mysticism" will be among the topics considered.

In 1916-17 the seminary will be devoted to certain problems connected with the eighteenth century novel. Special attention will be paid to the relation between the English and French novel and to the connection existing between the novel and the drama.

## Seminary in Elizabethan Drama, Dr. Hatcher.

*Three hours a week throughout the year.**(Given in 1914-15.)*

English drama from 1558 to 1642 is studied as the chief literary expression of the period. The conditions of its original and continued production, its nature, extent, variety, development and decadence are discussed and a reasonable proportion of the extant plays of the period read continuously as a background for other work. A brief introductory study is made of dramatic genres and of the broader principles of dramatic construction, and the remainder of the first semester is devoted to the examination of contemporary documents and other sources of information in regard to Elizabethan drama. In the latter half of the year each student investigates some special problem, such as dramatic inter-relationship or authorship, and gives reports upon her work.

English Journal Club, Dr. Brown, Miss Donnelly,\* Dr. Hatcher, and Dr. Chew.

*One and a half hours a fortnight throughout the year.**(Given in each year.)*

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

## German.

The instruction in this department is under the direction of Dr. Karl Detlev Jessen, Professor of German Literature, Dr. Agathe Lasch, Associate Professor of Teutonic Philology, and Miss Mary Jeffers, Reader in German. The instruction offered in German covers twenty-nine hours of lectures and recitations a week; it includes five hours a week of matriculation German; ten hours a week of undergraduate major and minor work; one hour a week of free elective; three hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in German, and ten hours a week of graduate work in modern German literature and in Teutonic philology.

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\* See footnote, page 63.



A class for beginners in German, conducted by Miss Mary Jeffers, five hours a week throughout the year, is provided, in order that those students whose matriculation examination did not include German may obtain the reading knowledge of it that they must possess before receiving a degree. By great diligence such students may acquire sufficient knowledge to be admitted should they desire it, into the first year of the major course in German.

**Matriculation Course.**

The major course in German presupposes as much knowledge as is required to pass the matriculation examination in this subject.

**Major Course.**

#### FIRST YEAR.

(Minor Course.)

(Given in each year.)

Lectures on the History of German Literature from the period of Romanticism to the present time, Dr. Jessen. *Two hours a week throughout the year.*

These lectures are delivered in German and discuss the masterpieces of German literature in the nineteenth century. As much collateral reading as possible, done either in or out of class, will illustrate the lectures. Weicher's *Deutsche Literaturgeschichte* is recommended for reference.

This course is open as a free elective to all students that have passed the matriculation examination in German.

Private reading: Grillparzer, *Sappho*, and Freytag, *Die Journalisten*, must be read by students taking the course in the first semester; Hebbel, *Agnes Bernauer*, and Sudermann, *Die Heimat*, must be read by students taking the course in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

Critical Reading of Modern German Authors, Dr. Lasch.

*Two hours a week throughout the year.*

German Grammar and Prose Composition, Dr. Lasch.

*One hour a week throughout the year.*

The course in critical reading consists of translations of modern German prose and verse. Selections from Goethe's *Dichtung und Wahrheit* are studied and a number of Goethe's earlier writings are read by the students and discussed in class. They are selected so as to illustrate the events narrated in *Dichtung und Wahrheit*. For translation of English into German, Whitney and Stroebe's *Advanced German Composition* (Holt & Co.) and Ruskin's *Praeterita* are used. German grammar is carefully reviewed in Thomas's *Practical German Grammar* (Holt & Co.).

The course in Critical Reading and the course in Grammar and Prose Composition may not be elected separately, and the examination in these subjects may not be divided. The courses are open as a free elective to all students that have passed the matriculation examination in German.

Private reading: Schiller, *Die Piccolomini*, *Wallensteins Tod* (Henry Holt & Co., New York), must be read by students taking the courses in the first semester; Schiller, *Braut u. Messina*, must be read by students taking the courses in the second semester. Examinations on the private reading must be taken at the scheduled time during the semester for which the reading is assigned by all students pursuing the German courses.

The advanced standing examinations, or examinations taken without attending the college classes, in the reading and grammar of the minor, three hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under German governesses the necessary advanced knowledge, and are able to pass the examination in the first three weeks after entering the college.



Failure to pass at the first trial will disqualify from further trials. The examination on the private reading that accompanies these courses must be taken not later than the third semester after that in which the advanced standing examination is offered.

(SECOND YEAR.)

(Given in each year.)

Lectures on the History of German Literature from Luther to the Romantic School, Dr. Jessen.

*Two hours a week throughout the year.*

These lectures are delivered in German and discuss the great classical authors, as well as the most modern poets and novelists.

Private reading: Goethe, *Italienische Reise*, and Lessing, *Nathan der Weise*, must be read by students taking the course in the first semester; Frenssen's *Jörn Uhl* and Nietzsche's *Essays*, must be read by students taking the courses in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

*Faust-Legend* and similar legends in mediæval and modern literature; Goethe, *Faust* (1st and 2nd parts), Dr. Jessen.

*Two hours a week throughout the year.*

The course aims to be a comparative study of an interesting group of literary products of both mediæval and modern literature. Starting with the comparative history of such Faustlike legends in mediæval literature as those of Theophilus and Cyprian, up to Calderon's *Il magico prodigioso*, the Faust-Legend in its many pre-eminently English and German ramifications, will be taken up, including especially Marlowe's *Doctor Faustus*. Goethe's *Faust* will be the centre of comparative study, showing what in it is due to Rousseauism, to Romanticism, and to other currents of thought. Faustlike literature, especially German and English, of a later date, as far as it is of literary importance will bring the consideration as far up to date as possible. The course will consist of lectures, reports and readings. It may be counted as part of the major course in comparative literature.

Private reading will be announced later.

German Prose Composition and Reading, Dr. Lasch.

*One hour a week throughout the year.*

In this course the students translate selected passages of difficult English prose into German. The texts are taken from Henry Craik's *English Prose*, vol. 5 (The Macmillan Co.). Treitschke, *Kleine Schriften* will be translated into English.

The course in German literature and the course in Prose Composition and Reading may not be elected separately, and the examination in these subjects may not be divided.

Private reading: Sudermann's *Johannes* must be read by students taking this course in the first semester; Hauptmann's *Hannele's Himmelfahrt* must be read by students taking this course in the second semester. Examinations on the private reading must be taken at the scheduled times during the semester for which the reading is assigned by all students pursuing the German courses.

An advanced standing examination, or an examination taken without attending the college class, in the prose composition of the major, one hour a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under German governesses the necessary advanced knowledge, and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination on the private reading that accompanies this course must be taken not later than the third semester after that in which the advanced standing examination is offered.

*Group:* German with any language.

## FREE ELECTIVE COURSE.

## Advanced German Composition, Dr. Lasch.

*One hour a week throughout the year.**(Given in each year.)*

Difficult English prose selections are translated into German. The intention of the course is to increase the understanding and feeling for written and spoken German. Attention is paid to the needs of students intending to teach German.

## POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

**Post-Major Courses.**

## German Literature from 1850 to the Present Time, Dr. Jessen.

*Two hours a week during the first semester.**(Given in 1914-15 and again in 1916-17.)*

The subject of this course is, in the first semester, the *Epigonen-Literatur*. The development of the modern German *Novelle* is discussed and Keller's, Storm's, and C. F. Meyer's works are specially studied. A full account of the poets of the *Münchener Schule* is given, as well as of Richard Wagner, Reuter, Groth, Freytag, Spielhagen, Scheffel, Rabe, Geibel, Heyse, and Schack.

## German Literature from 1850 to the Present Time (continued), Dr. Jessen.

*Two hours a week during the second semester.**(Given in 1914-15 and again in 1916-17.)*

In the second semester among the subjects discussed are the influence of French, Russian, and Scandinavian literatures, especially of the work of Zola and Ibsen on German literature; modern German realism and naturalism, as represented by Fontane, Anzengruber, Wildenbruch, Hauptmann, Sudermann, Liliencron, and Rosegger; the increased importance of women in literature, and the work of Marie von Ebner-Eschenbach, Luise von François, Ricarda Huch, Helene Böhlau, Isolde Kurz, Clara Viebig, and others; the significance of Nietzsche for German life and literature; Neo-romanticism and *Heimatsdichtung*.

## Lectures on the History of German Literature from the Romantic School till 1850, Dr. Jessen.

*Two hours a week throughout the year.**(Given in 1915-16 and again in 1917-18.)*

This course begins with a general study of the principles of philosophy, life, art, and poetry, as represented by the Romantic School, which is followed by lectures on the literary movements, expressed mainly in lyric poetry and in the novel, which supersede the Romantic *Weltanschauung*. The lyrics of the war of liberation, the *Weltschmerz*, and the political revolution; the novel of *Jungdeutschland*; the drama of Heinrich von Kleist; the works of the Schlegels, Tieck, Hölderlin, Jean Paul, Novalis, Uhland, Lenau, Heine, Immermann, Freiligrath, Herwegh, Gutzkow, Mörike, and Gotthelf are the principal topics discussed.

Advanced Critical Reading, Dr. Jessen. *One hour a week throughout the year.**(Given in each year.)*

The reading is selected from works discussed in the post-major lectures on literature. The students give reports on dramas or novels, the object of the discussion being to trace the characteristics of the author, as shown in his works. Special attention will be paid to the needs of students who intend to teach German.

## Elementary Middle High German, Dr. Lasch.

*One hour a week throughout the year.**(Given in each year when the time of the department permits.)*

This course has been arranged primarily for undergraduate students who wish to be able to read the Middle High German classics in the original. A general acquaintance with the history of early German literature, such as may be obtained from the lectures on the history of German literature in the minor course, is presupposed. Wright's *Middle High German Primer* (2nd edition, Oxford, 1899) is used.

## GRADUATE COURSES.

**Graduate Courses.**

Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of German and Teutonic Philology accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the post-major courses of the department, amounting to four hours a week, may be elected by graduate students.

The graduate courses offered in German Philology may be found under the head of General Teutonic Philology.

Graduate work in the history of modern German literature is conducted according to the seminary method. The courses are so varied that they may be followed by graduate students throughout three successive years and cover the work required of students who offer German literature as a major or a minor for the degree of Doctor of Philosophy. Students who elect German literature as their major subject in the examination for the degree of Doctor of Philosophy must offer Teutonic Philology as an associated minor and students who offer Teutonic Philology as a major subject must offer German literature as an associated minor. In the major together with the associated minor the student must offer two seminars and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

## Seminary in German Literature, Dr. Jessen.

*Two hours a week throughout the year.**(Given in each year.)*

It is hoped that in the seminary the students may become familiar with the methods of scientific literary criticism and investigation.

In 1914-15 Goethe is the subject in the seminary.

In 1915-16 Friedrich Nietzsche and Herman Grimm will form the basis of the work of the seminary.

In 1916-17 the Romanticism of early modern German literature will be studied.

## German Metrics, Dr. Jessen.

*One hour a week during the first semester.**(Given in 1914-15 and again in 1916-17.)*

This course consists of lectures on *Deutsche Metrik* or *Verslehre*, with an introduction to phonetics, this being an indispensable *Hilfswissenschaft* for the study of German literature.



German Poetics, Dr. Jessen. *One hour a week during the second semester.*

*(Given in 1914-15 and again in 1916-17.)*

Lectures are given on *Deutsche Poetik* and *Stilistik*.

German Literary Criticism, Dr. Jessen.

*One hour a week during the first semester.*

*(Given in 1915-16 and again in 1917-18.)*

The lectures trace the development of literary and æsthetic criticism in Germany from Leibnitz to Schiller and Goethe. The course is comparative in character, and French and English literary criticism are also considered. Lessing's *Laokoön* and *Hamburgische Dramaturgie* and Schiller's essays on æsthetics are studied. A good reading knowledge of French and German is required.

The German Essay, Dr. Jessen. *One hour a week during the second semester.*

*(Given in 1915-16 and again in 1917-18.)*

The history of the essay in German literature is studied and the most eminent German essayists, Schopenhauer, Herman Grimm, Karl Hillebrand, Friedrich Nietzsche, etc., are discussed. The influence of French, English, and American writers, in particular Montaigne, Macaulay, and Emerson, is traced, and incidentally the evolution of modern German prose style is treated.

Goethe's *Faust*, Dr. Jessen. *Two hours a week throughout the year.*

*(Given in each year when the time of the department permits.)*

This course is intended as an introduction to the problems of *Faust-philologie*, dealing with both the first and second part of *Faust*.

Goethe's Life and Works, Dr. Jessen. *Two hours a week throughout the year.*

*(Given in each year when the time of the department permits.)*

This course aims at giving an introduction into *Goethe-philologie*.

German Journal Club, Dr. Jessen and Dr. Lasch.

*Two hours once a fortnight throughout the year.*

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment and criticism.

## GENERAL TEUTONIC PHILOLOGY.

The instruction in this department is under the direction of Dr. Agathe Lasch, Associate Professor of Teutonic Philology. Special attention is called to the facilities for the study of comparative Teutonic philology offered by Bryn Mawr College. The English and the German departments together have provided for a complete course in Teutonic philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-Saxon, Old Saxon, Old High German, Middle High German, Middle Low German, etc.) and the study of general comparative philology.

The courses in introduction to the study of Teutonic philology, Gothic and Middle High German grammar are designed



for students in their first year of graduate study in Teutonic languages and the remaining courses for students in their second or third year. The courses given in each year will be planned to meet the needs of the graduate students.

Students intending to elect Teutonic philology are advised to study Greek for at least one year during their undergraduate course.

#### GRADUATE COURSES.

##### Teutonic Seminary, Dr. Lasch.

*Two hours a week throughout the year*

*(Given in each year.)*

This seminary is arranged for the benefit of the most advanced students in Teutonic philology. Its object is to encourage independent work on the part of the students. The work consists mainly of the discussion of special topics by the instructor and the students. Members of the seminary are expected to study the literature on these subjects, and to make an effort to contribute some additional material, or an independent opinion of their own.

In 1914-15 the subjects of the seminary are taken from Middle High German texts. Problems in text criticism as well as literary problems connected with the works of Middle High German poets either of the classical period or of the periods preceding or following it are discussed.

In 1915-16 Old High German texts such as *Merseburger Zaubersprüche*, *Muspilli*, and *Hildebrandslied* will be studied. The many problems that these texts offer and the various attempts to solve them will be discussed.

In 1916-17 the first semester will be devoted to High German texts from the fourteenth to the seventeenth century. The material will be taken either from official documents of this period belonging to various parts of Germany or from the works of writers such as Murner, Hans Sachs, Luther, and others; or from grammatical works of this period in Müller's *Quellenschriften und Geschichte des deutschsprachlichen Unterrichts*, John Meier's *Neudrucke älterer deutscher Grammatiken*, etc. They are selected to illustrate the development of Modern High German. In the second semester Old Saxon texts (*Heliand* and *Genesis*) will be studied.

The order of these seminary subjects may be changed in accordance with the requirements of the students in any particular year.

##### Introduction to the Study of Teutonic Philology, Dr. Lasch.

*One hour a week throughout the year.*

*(Given in each year.)*

After a discussion of the aim and method of historical and comparative grammar, these lectures deal with the relation of Teutonic to the cognate Aryan languages. A brief sketch of the single Aryan languages is given, followed by a more comprehensive discussion of the Teutonic languages and chiefly of the West Germanic branch.

##### Gothic, Dr. Lasch.

*One hour a week throughout the year.*

*(Given in each year.)*

Gothic phonetics and inflection are studied in connection with the elements of comparative Aryan grammar; on the other hand the Gothic forms are compared with those of other Teutonic languages. Braune's *Gotische Grammatik* (8th ed., Halle, 1912); or Streitberg's *Gotisches Elementarbuch* (3rd ed., Heidelberg, 1910) are used as text-books.

As a thorough knowledge of Gothic is the foundation of the study of historical and comparative Teutonic grammar, every graduate student of Teutonic grammar is advised to take this course as early as possible. *Die gotische Bibel* (ed. by W. Streitberg, Heidelberg, 1908) is used by the more advanced students.

Middle High German Grammar and Reading of Middle High German  
 Texts, Dr. Lasch.

*Two hours a week throughout the year.*

*(Given in each year.)*

This course includes a brief abstract of Middle High German grammar and literature with special reference to the difference between Middle High German and Modern German, and a study of the most prominent authors in Middle High German. Selections from classical Middle High German poets are read, and also selections from the *Nibelungenlied*, a brief account being given of the history and development of the *Nibelungenlied* and its manuscripts.

Students of Middle High German should be provided with Paul's *Mittelhochd. Grammatik* (8th ed., Halle, 1911), or Michels's *Mittelhochd. Elementarbuch* (2nd ed., Heidelberg, 1912).

This course is required of all students that make German the minor subject in their examination for the degree of Doctor of Philosophy.

The private reading includes the works of the authors treated in the course.

Middle Low German, Dr. Lasch.

*One hour a week throughout the year.*

*(Given in each year.)*

A sufficient knowledge of Old Saxon is presupposed on the part of students taking this course. The Middle Low German grammar will be studied and representative Middle Low German texts are read. This course may be substituted for the course in Middle High German in accordance with the requirements of the students in any particular year.

Old Norse, Dr. Lasch.

*Two hours a week throughout the year.*

*(Given in each year.)*

Students entering this course are supposed to be acquainted with Gothic and with Anglo-Saxon or Old High German grammar. In the grammatical part of the course the Norse sounds and forms are studied and compared with those of the Gothic and West-Germanic dialects.

In the first year's course prose texts will be read; in the second year the Edda will be studied and some of the problems connected with the study of the Edda will be discussed.

The books used are Heusler's *Altisländisches Elementarbuch* (Heidelberg, 1913 and some of the *Islendinga sögur* (*Altnordische Saga-Bibliothek*) and Hildebrand-Gering's *Edda* (3d ed., Paderborn, 1913).

Attention is called to the facilities afforded for the study of Old Norse. A considerable portion of the library of the late philologist, Th. Wisén, of Lund, was acquired by Bryn Mawr College, and hence the library is probably as well supplied as any other college library in the United States with Old Norse texts, Norse periodicals, and works on Old Norse language and literature.

Old Saxon, Dr. Lasch.

*Two hours a week during the second semester.*

*(Given in 1914-15 and again in 1916-17.)*

The work presupposes on the part of the students a sufficient knowledge of Gothic and Old High German. Holthausen's *Altsächsisches Elementarbuch* (Heidelberg, 1900) or Gallée, *Altsächsische Grammatik* (2nd ed., Halle, 1910), the *Heliand* (Behaghel's edition), and Zangemeister-Braune's *Bruchstücke der altsächsischen Bibeldichtung* (Heidelberg, 1894) are used.

History of Modern High German, Dr. Lasch.

*One hour a week throughout the year.*

*(Given in 1914-15 and again in 1916-17.)*

These lectures deal with the history of the development of the German written language during the Modern High German period. The most important *Kanzleisprachen*, the most prominent *Druckersprachen*, Luther, Modern German sounds and forms in their relation to the German dialects and to the rules of the *Bühnenaussprache*, will be discussed.

Old High German, Dr. Lasch.

*Two hours a week throughout the year.*

*(Given in 1915-16 and again in 1917-18.)*

This course includes a practical study of Old High German grammar, and a comparison of the Old High German sounds and forms with those of Gothic, Middle and Modern High German. The relations with other cognate languages of the Teutonic branch as well as other Aryan languages (chiefly Latin) are also discussed. Selections are read from Old High German texts, arranged so as to proceed from easy to more difficult pieces and to illustrate the difference between the Old High German dialects.

Comparative Teutonic Grammar, Dr. Lasch.

*One hour a week throughout the year.*

*(Given in 1915-16 and again in 1917-18.)*

The study of comparative Teutonic philology is recommended to those students only who are acquainted with the single old Teutonic languages, and have studied Gothic, Old High German, Old Saxon, Anglo-Saxon, and Norse. The object of the course is to compare the various old Teutonic languages with each other and with the related Aryan languages,—or in other words (1) to reconstruct the primitive Teutonic language; (2) to point out the characteristic features of primitive Teutonic in distinction from primitive Aryan; (3) to carry down the history of early Teutonic from the period of unity into the early stages of the individual Teutonic languages.

In addition to the above courses, others in Old Frisian, or Modern Low German may be arranged for students that have previously studied Gothic, Old and Middle High German, Anglo-Saxon, and Old Saxon.

## ROMANCE LANGUAGES.

### French.

The instruction in this department is under the direction of Dr. Jean Baptiste Beck, Associate Professor of Mediæval French Literature; Dr. Richard Thayer Holbrook, Associate Professor of French Philology and Italian, Dr. Eunice Morgan Schenck, Associate in French; Dr. Pierre François Giroud, Non-resident Lecturer in French, and Miss Ellen Thayer, Reader in French.

The instruction offered in French covers thirty-one hours of lectures and recitations a week; it includes five hours a week of matriculation French; ten hours a week of undergraduate major and minor work; five hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in French; and eleven hours a week of graduate work in modern French literature and in Old French literature and language. All the courses in French except the matriculation course are conducted in the French language.



A class for beginners in French five hours a week throughout the year, is provided, in order that those students whose matriculation examination did not include French may with less difficulty obtain the reading knowledge of it that they must possess before receiving a degree. By great diligence such students may acquire sufficient knowledge to be admitted should they desire it, into the first year of the major course in French. This course is given by Miss Thayer.

**Matriculation Course.**

Entrance to the major course in French presupposes as much knowledge as is required to pass the matriculation examination in this subject.

**Major Course.**

#### FIRST YEAR.

(*Minor Course.*)

Lectures on the history of French Literature of the nineteenth century, accompanied by collateral readings from representative French authors, Dr. Beck.

*Two hours a week throughout the year.*

(*Given in each year.*)

These lectures are delivered in French, and students are expected to take notes and answer questions in French. The aim of the course is to train the students to follow lectures in French as well as to give them a general survey of Modern French literature.

Private reading: Chateaubriand, *Atala* and *René*, V. Hugo, *Hernani* and *Ruy Blas*, must be read by students taking the course in the first semester. Maeterlinck, *Pelléas et Mélisande*, *l'Intruse* and *La Mort de Tintagiles*, must be read by students taking the course in the second semester. Examinations on the private reading must be taken by all students pursuing the French courses at the scheduled time during the semester for which the reading is assigned.

Critical Readings in French prose and poetry. Practical Exercises in French Syntax and Composition, Dr. Schenck.

*Three hours a week throughout the year.*

(*Given in each year.*)

In the first semester selections from Taine's *Origines de la France Contemporaine* are read; in the second semester selections from the poetry of Victor Hugo are read and a special study is made of the Napoleonic cycle of poems. Some of Napoleon's speeches and proclamations are also read.

In the course in syntax and composition Armstrong's *Syntax of the French Verb* is used. Lectures on phonetics are given once a fortnight during the first semester and all students taking the course are required to attend one hour a week throughout the year classes for oral practice conducted by Miss Thayer. In alternate weeks one hour of the lecture course is omitted.

Private reading: Vigny, *Servitude et Grandeur Militaire*, must be read by students taking the course in the first semester; Rostand, *L'Aiglon* and Musset, *Fantasio*, must be read by students taking the course in the second semester. Examinations on the private reading must be taken by all students pursuing the French courses at the scheduled time during the semester for which the reading is assigned.

The advanced standing examinations, or examinations taken without attendance on the college classes, in the reading and composition of the minor, two hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under French governesses the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college.



Failure to pass at the first trial will disqualify from further trials. The examination in translation will consist of sight translation from French (usually poetry) into English. V. Hugo's *Les Châtiments* (Hachette, Paris), *La Légende des Siècles*, *id.* (the first two volumes), or Schinz's *Selections from Victor Hugo* (Heath, Boston) will give an idea of the kind of translation required. The examination in composition will as a rule consist in translating a few detached sentences of every-day idiomatic English, such as may be found in Sweden's *Primer of Spoken English*, or the German edition of it (*Elementarbuch des Gesprochenen Englisch*, Oxford, Clarendon Press), or Chardenal's *French Exercises for Advanced Pupils* (Allyn and Bacon, Boston). The private reading examinations must be taken not later than the third semester after that in which the advanced standing examination is offered.

#### SECOND YEAR.

(Given in each year.)

Lectures on the history of French Literature in the seventeenth century accompanied by collateral reading, Dr. Giroud.

Two hours a week throughout the year.

Private reading: First semester, Doumic, *Histoire de la Littérature française, xvie et xviiè siècles*; Corneille, two chosen from *Le Cid*, *Horace*, *Cinna*, *Polyeucte*; Molière, three chosen from *Les Précieuses Ridicules*, *La Critique de l'Ecole des Femmes*, *Tartuffe*, *Le Misanthrope*.

Second semester, Racine, two chosen from *Andromaque*, *Britannicus*, *Phèdre*, *Athalie*; Bossuet, *Oraison funèbre d'Henriette d'Angleterre* or *Oraison funèbre du prince de Condé*; Pascal, *Pensées* (extracts); Fénelon, *Lettre à l'Académie*; Labruyère, *Caractères* (extracts).

Studies in French Style, Composition, etc., Dr. Schenck.

One hour a week throughout the year.

This course must be taken together with the course in history of French literature. It was conducted in 1914-15 by Dr. Beck.

Critical Readings and Studies in French Romantic Drama of the nineteenth century, Dr. Giroud.

Two hours a week throughout the year.

This course deals especially with the effect of foreign influences on the development of French romantic drama.

Private reading: Doumic, *Histoire de la littérature française; le Drame romantique*; V. Hugo, *Hernani*, *Marion Delorme*, *Ruy Blas*, must be read by students taking the courses in the first semester; A. de Vigny, *Chatterton*; Alex. Dumas, *Henri III et sa cour*, *Anthony*; A. de Musset, *On ne badine pas avec l'amour*, *Carmosine*, must be read by students taking the courses in the second semester. Examinations on the private reading must be taken by all students pursuing the French courses at the scheduled time during the semester for which the reading is assigned.

The advanced standing examinations or examinations taken without attendance on the college classes in the reading and composition of the major, one hour a week for two semesters may be taken by those students only who are able to submit satisfactory evidence, that they have obtained before entering the college by regular and systematic study, or by residence abroad or work under French governesses, the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination in translation will consist of sight translation from French (usually poetry) into English. V. Hugo's *Les Châtiments* (Hachette, Paris), *La Légende des Siècles*, *id.* (the first two volumes), or Warren's *Selections from Victor Hugo* (Holt, New York) will give an idea of the kind of translation required. More difficult passages will be selected than for the minor advanced standing examination. The composition consists of one or two pieces of connected English, taken from such books as Stevenson's *Treasure Island*, Jerome K. Jerome's *Idle Thoughts of an Idle Fellow*. No specific question in French grammar is asked; students are expected to

show their knowledge of grammar in the composition. Cameron's *The Elements of French Composition* (Holt, New York), and Storm's *French Dialogues* (Macmillan, London) will be found useful in composition work. The private reading examinations must be taken not later than the third semester after that in which the advanced standing examination is offered.

*Group:* French with Italian and Spanish, *or* with any language, *or* with Modern History, *or* with History of Art.

#### FREE ELECTIVE COURSE.

French Phonetics for Teachers, Dr. Schenck.

*One hour a week throughout the year.*

*(Given in 1914-15 and again in 1916-17.)*

The lectures of the first semester deal with the principles of French phonetics and their application to the difficulties of English speaking students. Special attention is paid to any faults in the pronunciation of the students taking the course and corrective exercises are assigned. The work of the second semester is on methods of French oral teaching. Students are required to give oral reports and specimen lessons.

**Free  
Elective  
Course.**

#### POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

**Post-  
Major  
Courses.**

Rabelais and the Satire in French Literature, Dr. Beck.

*Three hours a week throughout the year.*

*(Given in 1914-15 and again in 1916-17.)*

This course gives first a general survey of satiric literature in France from the earliest time to the Renaissance. The "*servantes*" is the representative of personal, political and religious satire. The *fabliaux* and *contes* represent the popular social satire. Caricature and satire in Mediæval Art. The predecessors of Rabelais: Rustebuef, Coquillart and Villon. Rabelais as a man, as a humanist and as a satirical philosopher; his literary technique; his influence upon French and English writers.

Molière and the French Comedy, Dr. Beck.

*Three hours a week throughout the year.*

*(Given in 1917-18.)*

After a study of the comic elements in Mediæval epic and dramatic literature, the nature of Molière's "comique" is analyzed and compared with that of his predecessors. Molière's influence upon French and foreign comedy as a psychologist and as a playwright is discussed.

French Lyric Poetry of the Nineteenth Century, Dr. Schenck.

*Two hours a week throughout the year.*

*(Given in 1914-15 and again in 1916-17.)*

In the first semester the lectures treat lyric poetry until the year 1866. Special attention is paid to the period from 1850 to 1866. Lamartine, Hugo, Sainte-Beuve, Vigny, and Musset are studied only so far as is necessary for the understanding of the evolution of lyric poetry in their successors, Baudelaire, Gautier, Banville, Leconte de Lisle, Sully Prudhomme, Coppée, Mendès, etc. The lectures of the second semester treat lyric poetry from 1866 to the present day. A careful study is made of the Parnassian school. Throughout the course the lectures are supplemented by the critical reading of texts.

The Short Story (*Nouvelle*) in the Nineteenth Century, Dr. Schenck.*Two hours a week throughout the year.**(Given in 1915-16 and again in 1917-18.)*

In the first semester the *nouvelles* of the romantic period are studied in the works of Chateaubriand, Nodier, Vigny, Musset, Balzac, Mérimée, and Gautier. The lectures of the second semester treat the development and modification of realism by Flaubert, Zola, Daudet, Coppée, Loti, Bourget, France and others, while a careful study of the technique of the *nouvelle* is made in connection with Maupassant.

## Modern French Drama, Dr. Giroud.

*Three hours a week throughout the year.**(Given in 1915-16.)*

The lectures will deal with post-romanticism, realism, and mysticism on the French stage, Rostand, Brieux and Maeterlinck being especially studied.

## GRADUATE COURSES.

**Graduate Courses.**

Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of French, accompanied by the direction of private reading and original research. The courses, covering the field of Old and Modern French Language and Literature are arranged to form a triennial cycle. The work of each year centers around one main topic to be studied as a part of the history of French literature in its various relations to the general literature and civilisation of the period concerned. Students may enter the seminary in any year and pursue it during three or more consecutive years. The members of the seminaries report on theses assigned them at the beginning of each semester.

Students who choose French literature as their major subject in their examination for the degree of Doctor of Philosophy must offer French philology as the associated minor and students who offer French philology as a major subject must offer French literature as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council. In the major together with the associated minor the student must offer two seminaries and a journal club for three years.

**Literature.**

## Seminary in Mediæval French Literature, Dr. Beck.

*Three hours a week throughout the year.**(Given in each year.)*

The work expected of graduate students in the seminary in Mediæval French Literature consists of a palæographical analysis of the original manuscripts, a cursory interpretation of the texts, a review of the opinions expressed by the respective specialists on each subject and a critical discussion of the comparative value of the work in question. These reports are intended to train graduate students in literary research. The courses in other Romance Languages (Italian and Spanish) and also those in Middle English are recommended to students in mediæval French literature. During her first year of work in this seminary each student is required to take also the course in Old French Philology, unless she has already taken a corresponding course.

In 1914-15 the subject of the seminary in Mediæval French Literature is the Origin of French Literature, from the earliest documents to the twelfth century. The literary products of this period are read and interpreted from photographic reproductions of the original manuscripts. The main emphasis is laid upon the development of mediæval literature from the previous Middle Latin literature, to show the interrelations between literature written in the various languages and dialects, both Romanic and Germanic.



and the religious literature, and to illustrate the international character of literature during that period. The origin of mediæval lyric poetry is derived from the Tropes and Sequences of St. Martial de Limoges and of St. Gall, the epic poetry from the Lives of Saints and the dramatic literature from the Liturgy of the Church. The absolute unity of mediæval art in the conception of the authors and artists of the Romanesque and Gothic periods will be illustrated by the mutual connections between the various literary genres and the different branches of fine arts, such as architecture, sculpture, painting and music.

In 1915-16 Lyric Poetry during the Middle Ages will be synthetically studied. Beginning with the hymns and anthems of the Church, the formation of the various types of vernacular lyric poetry in France will be investigated. The Art of the Troubadours and Trouvères will be compared with the songs of the so-called Goliards (*Carmina Burana*), with those of the Sicilian poets and of the Minnesinger, in order to establish to what extent French poetry has influenced them, both as to form and as to thought. The predominant musical character of lyric poetry throughout the middle ages; three periods, from the artistic monopoly of the Clerics to the Nobility, then to the aristocratic Bourgeoisie and finally to the People. The Ars Nova and the influence of fourteenth century Italian poetry upon the French chanson of the fifteenth century.

In 1916-17 the Evolution of Epic and Dramatic Literature, from the twelfth to the sixteenth century, will be studied in the seminary. The development of actual stage drama from the primæval liturgical ceremonies. These and the epic parts of Scripture gave birth to the Mystères. The dramatic elements contained in Mediæval Lyrics, such as the Aubes, Pastourelles, Jeux-Partis and in the dialogue forms of certain types, such as the Chansons à danse. The primitive Opera comique, a combination of lyrics and epics: Aucassin et Nicolette, Robin et Marion, le Jeu de St. Nicolas, etc.

The Influence of Mediæval Latin Poetry upon Romance and Teutonic Versification, Dr. Beck.

*One hour a week throughout the year.*

*(Given in 1914-15 and again in 1916-17.)*

The linguistic difference between Classical and Low Latin explains the change from quantitative to qualitative prosody. The fundamental difference between the rhythmical nature of Teutonic and Romance languages explains the dissimilarity in their respective versification. The origin of Rime and of Isosyllabism in French.

Students who take this course are supposed to be familiar with classical and mediæval literature.

Seminary in French Literature. Dr. Giroud.

*Two hours a week throughout the year.*

*(Given in each year.)*

In 1915-16 the subject of the seminary will be Molière. The subjects studied are French Comedy before Molière; Molière's plays and their sources; his personality and his philosophy. The one hour graduate course given by Dr. Schenck must be combined with this seminary when offered to count as a seminary towards the degree of Doctor of Philosophy.

In 1916-17 the subject of the seminary will be Romanticism and Realism in the 19th century as illustrated by Chateaubriand, Sénancourt, Benjamin Constant, De Maistre, Lamennais, Fourier, Saint-Simon, and others; Romanticism of Victor Hugo; a careful study of *Les Misérables*; philosophical and historical realism (Renan, Taine).

In 1917-18 the subject of the seminary will be Montaigne. Various problems connected with his life, his relations to Protestantism and to the political problems of his time, the question of the authorship of the *Discours sur la servitude volontaire*, the origin and sources of the essays, Montaigne and the Renaissance, and Montaigne and Plutarch are discussed. A special study is made of Montaigne's style and of the *Apologie de Raymond de Seconde*.

The order of these seminary subjects may be changed in accordance with the requirements of the students in any particular year.



## The Romanticism and Realism of Flaubert, Dr. Schenck.

*One hour a week throughout the year.**(Given in 1915-16.)*

The introductory lectures deal with the decline of romanticism and the rise of realism in France. A careful study is made of Flaubert's method based on the two versions of the *Tentation de Saint Antoine*, the *Correspondance*, etc. The investigations of René Descharmes, René Dumesnil and others are examined.

*Language.* Old French Philology, Dr. Holbrook. *Three hours a week throughout the year.*

*(Given in 1914-15.)*

This course consists of lectures on the phonology, morphology, and syntax of Old French, and is designed not only for students whose main pursuit is Romance philology, but also for those who wish to acquire more precise knowledge of the French elements in Middle English. The main principles of Historical Grammar are studied in the *Extraits de la Chanson de Roland*, published by Gaston Paris, and in various texts in L. Constans's *Chrestomathie*.

Old French Readings, Dr. Holbrook. *Two hours a week throughout the year*

*(Given in 1914-15.)*

Various typical Old French masterpieces are studied from a scientific standpoint. The essential facts of Old French grammar are reviewed and rare or difficult locutions are minutely examined for the sake of precise interpretation; dialectal features are considered and attention is given to the relation of manuscripts to printed texts.

In 1914-15 the course is devoted chiefly to *Maître Pierre Pathelin* and to Villor.

Introduction to Old French Philology, Dr. Beck.

*Two hours a week throughout the year.**(Given in 1915-16 and in each succeeding year.)*

The course in Old French Philology is designed to be a linguistic complement to the Seminary in Mediæval French Literature and must be taken by every member of this seminary during her first year. It is also required of all students who choose French as a minor subject in the examination for the degree of Doctor of Philosophy and recommended to students from other Modern Language departments who wish to acquire a reading knowledge of Old French and an outline of Mediæval French literature. The first semester is devoted chiefly to historical grammar of the Romance Languages, especially of Old French and Old Provençal. During the second semester selections from the most typical genres are read in the order of their evolution, so as to give the students an adequate idea of the origin and a summary of the development of Old French Literature. The students are also made acquainted with mediæval palæography and other auxiliary disciplines. Experimentation with philological methods prepares the students to do research work.

Students of Old French should be provided with E. Monaci's *Facsimili di documenti per la storia delle lingue e delle letterature Romanze*, W. Foerster's *Allfranzösisches Übungsbuch* and K. Bartsch's *Chrestomathie de l'Ancien Français*, 11th edition.

Advanced Old French Philology, Dr. Beck.

*One hour a week throughout the year.**(Given in 1915-16 and in each succeeding year.)*

The influence of Mediæval Latin upon the formation of the Old French literary language. After an introduction to Mediæval Latin philology, the linguistic value of mediæval grammars, glosses, commentaries and interlinear translations is examined.

Romance Languages Journal Club, Dr. DeHaan, Dr. Holbrook, Dr. Beck and Dr. Schenck.

*One and a half hours a fortnight throughout the year.*

The journal club is intended to make the advanced students familiar with all the important European periodicals and with new books dealing with Romance Philology. For

each session of the club an important article chosen from some one of the various periodicals is assigned to a student for review. The student is also referred to previous articles or publications treating of the same subject as that of the review, and is expected to present to the club a chronological outline of the history and stages of the discussion on the given point. Thus the students become familiar with the names of leading Romance scholars and with the particular lines of research in which each of the latter excels. At the same time such reviews prepare the way for seminary work and original investigations.

### Italian.

The instruction in this department is under the direction of Dr. Richard Thayer Holbrook, Associate Professor of French Philology and Italian.

The instruction offered in Italian covers twelve hours of lectures and recitations a week; it includes ten hours a week of undergraduate minor and major work; and two hours a week of graduate work.

A combination of five hours a week for one year of the minor course in Italian with five hours a week for one year of the minor course in Spanish forms a major course and may be taken with any other language to form a group. Any of the undergraduate courses in Italian may be taken as free elective courses.

#### FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

Italian, Dr. Holbrook.

*Five hours a week throughout the year.*

(May be taken as a free elective.)

**Major  
Course.**

This course is designed to prepare beginners for the study of Italian literature, as well as for the practical use of the language. Reading is taken up from the start, a careful pronunciation is insisted upon, and the essentials of the grammar are taught by a critical observation of the texts used and by graded exercises in the rendering of English into Italian. The books used are the following: C. H. Grandgent's *Italian Grammar*; Stories by Fogazzaro and Hecker's *Il Piccolo Italiano*; Giuseppe Finzi's *Petrarca* (1900); De Marchi's *Storie*; selections from the verse and prose of Renato Fucini and others.

#### SECOND YEAR.

(*Given in each year.*)

Italian Classical Literature, Dr. Holbrook. *Five hours a week throughout the year.*

The work in this course is to study selections in verse and prose from Ariosto and Tasso, then all the *Inferno* and parts of the *Purgatorio* and *Paradiso*. For Ariosto and Tasso the study of difficult modern prose and poetry may be substituted, with exercises in writing and speaking. Training in pronunciation is given throughout the course. The lectures in literature are delivered in Italian.

*Group:* Italian or Italian and Spanish with any language, or Italian with History of Art.

## GRADUATE COURSES.

**Graduate Courses.**

The graduate seminary in Italian is varied from year to year in order that it may be pursued by a student for consecutive years. Students electing Italian as a major subject for the degree of Doctor of Philosophy are required to offer French philology as an associated minor. For the list of approved independent minors see the Regulations of the Academic Council. The books needed by graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries.

Italian Seminary, Dr. Holbrook.

*Two hours a week throughout the year.*

*(Given in each year.)*

This seminary presupposes a knowledge of Old French Philology and the equivalent of the minor and major courses in Italian offered at Bryn Mawr College. The work is founded upon the treatise entitled *Die Italienische Sprache* by D'Ovidio and Meyer Lübke in Gröber's *Grundriss* (Strassburg, 1906). Various passages from thirteenth and fourteenth century authors are examined critically from a phonological and morphological point of view.

Romance Languages Journal Club, Dr. DeHaan, Dr. Holbrook, Dr. Beck, Dr. Schenck.

*One and a half hours a fortnight throughout the year.*

The instructors and advanced students meet to report on and discuss recent reviews and critical articles.

**Spanish.**

The instruction in this department is under the direction of Dr. Fonger DeHaan, Professor of Spanish.

The instruction offered in Spanish covers eighteen hours of lectures and recitations a week; it includes ten hours a week of undergraduate minor and major work; two hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in Spanish; and six hours a week of graduate work.

A combination of five hours a week for one year of the minor course in Spanish with five hours a week for one year of the minor course in Italian forms a major course, and may be taken with any other language to form a group. Students may thus elect ten hours of Spanish, or five hours of Spanish and five hours of Italian to form a major course.

## FIRST YEAR.

*(Minor Course.)*

*(Given in each year.)*

**Major Course.**

Spanish, Dr. DeHaan.

*Five hours a week throughout the year.*

The object of this course is to give beginners a good knowledge of modern Spanish, and to ground them thoroughly in the essentials of the grammar. As a preparation for

understanding the spoken language, two half-hours a week during the second semester are devoted to dictation. The books studied are the following (taken up in the order indicated): De Haan's *Cuentos Modernos*; Pérez Nieva, *Tomás el torrero* (Madrid, *Colección Klong*); De Haan's *Selected Works of G. A. Bequer*; Hartzenbusch, *Los Amantes de Teruel* (*Obras*, vol. III.); Zorrilla, *Granada* (Madrid, 1895, 2 vols.).

Private reading: Palacio Valdés, *José*; Galdós, *Marianela*.

#### SECOND YEAR.

(Given in each year.)

Lectures in Spanish on Spanish Literary History of the Nineteenth Century, Dr. DeHaan. *Two hours a week throughout the year.*

Spanish Composition, Dr. DeHaan. *One hour a week throughout the year.*

Critical Reading in Spanish, Dr. DeHaan. *Two hours a week throughout the year.*

Private reading supplementing the lectures on literary history comprises representative works in the various branches of literature.

*Group:* Spanish, or Italian and Spanish with any language, or Spanish with History of Art.

#### POST-MAJOR COURSE.

The post-major course is designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect this course.

***Post-Major Course.***

Advanced Spanish, Dr. DeHaan. *Two hours a week throughout the year.*  
(Given in each year.)

The course consists of readings of classical, pre-classical, and modern literature, translation of English prose into Spanish, and the writing of compositions in Spanish. Some time is devoted to the study of the history of Spanish literature.

#### GRADUATE COURSES.

Six hours a week of seminary work and graduate lectures are offered each year to graduate students of Spanish accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the post-major course of the department amounting to two hours a week may be elected by graduate students.

***Graduate Courses.***

The graduate seminary in Spanish is varied from year to year in order that it may be pursued by a student for consecutive years. Students electing Spanish as a major subject for the degree of Doctor of Philosophy are required to offer French philology as an associated minor. For the list of approved independent minors see the Regulations of the Academic Council.

Seminary in Spanish, Dr. DeHaan. *Three hours a week throughout the year.*  
(Given in each year.)



Spanish language and literature before 1600 is the subject of the seminary. The work of the seminary consists of a close study of texts from the point of view of grammatical structure, syntax, derivation, and style. Different texts are chosen in different years.

Spanish Philology, Dr. DeHaan. *One hour a week throughout the year.*  
(Given in each year.)

Old Spanish Readings, Dr. DeHaan. *One hour a week throughout the year*  
(Given in each year.)

Romance Languages Journal Club, Dr. DeHaan, Dr. Holbrook, Dr. Beck, Dr. Schenck. *One and a half hours a fortnight throughout the year.*

The instructors and advanced students meet to report on and discuss recent reviews and critical articles.

### COMPARATIVE LITERATURE.

The instruction in this department is under the direction of Dr. Orie Latham Hatcher, Associate Professor of Comparative and Elizabethan Literatures.

#### FIRST YEAR.

(Minor Course.)

**Major  
Course.**

Elizabethan Lyrics in the Light of their Origins, Dr. Hatcher.

*Three hours a week throughout the year.*

(Given in 1914-15.)

The object of the course is two-fold: to acquaint the student with the body of Elizabethan lyric poetry and to show the variety of its native and foreign origins. The lectures and a part of the reading will discuss the development on the continent of lyric themes and forms which later prevailed in Elizabethan England. A reading knowledge of French is required.

#### SECOND YEAR.

Renaissance Pastorals, Dr. Hatcher. *Three hours a week throughout the year.*

(Given in 1914-15.)

The persistence and significance of the pastoral tradition in literature is examined and recognition is given to the large debt of moderns to the classical pastoralists, but the course is designed as a study of the pastoral vogue in the later Renaissance as expressed in its several forms. A reading knowledge of Latin and of French is required.

#### FREE ELECTIVE COURSE.

**Free  
Elective  
Course.**

Forms of the Drama, Dr. Hatcher. *Two hours a week throughout the year.*

(Given in 1914-15.)

The course does not attempt a historical survey of the development of drama as literature, but an inquiry into the essence of drama as such, the nature of its appeal, and its more striking forms,—as comedy, tragedy, melodrama, etc. The plays read are chosen as being illuminating in connection with this inquiry. Students electing the course are expected to do a considerable amount of reading in either French or German and a small amount in the other of these two languages. The minor Latin course in Terence and the major course in Roman Comedy offer valuable preliminary work for this course.

## GRADUATE COURSES.

Seminary in Comparative Literature, Dr. Hatcher.

**Graduate  
Courses.***Two hours a week throughout the year.**(Given in 1914-15.)*

In 1914-15 the subject of the seminary is literary criticism in the late Renaissance. The beginnings of modern literary criticism of the more formal sort are sought in Italy, France and England in the sixteenth century. Late Renaissance theories as to the function of poetry, the nature of the epic, of tragedy, comedy, etc., are examined, as also the conflict of classicism and romanticism, etc. Each student is assigned a topic for original investigation.

For graduate work in comparative literature in 1915-16 see pages 69 to 70. In and after this year comparative literature will be combined with the work of the department of English.

## SEMITIC LANGUAGES AND BIBLICAL LITERATURE.

The instruction in this department is under the direction of Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages. The instruction offered in this department includes three hours a week of Oriental History, three hours a week of free elective courses in Biblical Literature, and six hours a week of graduate courses in Semitic Languages.

The college was particularly fortunate in securing in the year 1892 the library of the late M. Arthur Amiaud, of Paris. While M. Amiaud was especially eminent as an Assyriologist, he was also prominent as a general Semitic student. His library was the collection of an active scholar, and forms a working library for the student in every department of Semitic study. It is especially rich in the Hebrew, Syriac, and Assyrian languages, containing several works, indispensable to the student, which are now out of print. Another Semitic library containing many works on the Talmud and on Jewish literature was acquired in 1904. In 1907 Mr. Albert J. Edmunds presented to the college his library of 500 volumes on the history of religion. The contents of these libraries, together with the books already owned by the college and those easily accessible in neighboring libraries, form an exceptionally good collection of material for the specialist in Semitic languages. A good working collection of cuneiform tablets is under the control of the department, and affords an excellent opportunity for students of Assyrian to become familiar with original documents,

## MINOR COURSE.

*(Given in each year.)***Minor  
Course.**

Oriental History, Dr. Barton.

*Three hours a week throughout the year.*

(May be taken as a free elective or may be substituted for part of the second year of required science, or part of the minor course in ancient history.)

This course treats in broad outlines the history and civilisation of the classical orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal oriental nations, Egyptians, Babylonians, Assyrians, Phoenicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archaeological specimens and by photographs. Either semester may be elected separately.

## FREE ELECTIVE COURSES.

**Free  
Elective  
Courses.**

The courses in Biblical Literature are intended primarily for undergraduate students, but may be elected by graduate students also.

History of the Old Testament Canon, Dr. Barton.

*One hour a week throughout the year.**(Given in 1914-15 and again in 1916-17.)*

In this course the history of the composition and collection of the books of the Old Testament is studied. The instruction is given in lectures, and readings are assigned in the Old Testament itself and in modern literature concerning it.

New Testament Biography, Dr. Barton. *Two hours a week throughout the year.**(Given in 1914-15 and again in 1916-17.)*

The first semester of this course is devoted to a careful study of the life and teaching of Christ; the second semester to the life and teaching of St. Paul. The instruction is given in lectures, and the Gospels and Epistles are read together with the most helpful of the modern works on these topics. The course is illustrated by photographs of the most important places connected with the lives of Christ and St. Paul.

History of the New Testament Canon, Dr. Barton.

*One hour a week throughout the year.**(Given in 1915-16 and again in 1917-18.)*

This course, which alternates with the course on the Old Testament Canon, consists of a study of the New Testament.

The History of Christian Doctrine, Dr. Barton.

*Two hours a week throughout the year.**(Given in 1915-16 and again in 1917-18.)*

In the first semester Christianity is studied as presented by its Founder and by the apostles, and in the second semester the history of Christian doctrine from 100 A. D. to the present time is briefly reviewed, and problems presented by modern thought are touched upon.

## GRADUATE COURSES.

Seminary work and graduate lectures amounting to at least five hours a week are offered each year to graduate students of Semitic languages and Biblical Literature accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the elective courses of the department amounting to three hours a week may be elected by graduate students.

*Graduate Courses.*

The graduate courses in Semitic languages are varied from year to year, as indicated below, so that they may be pursued by a student for four successive years. Those who offer Semitic languages as the major subject in the examination for the degree of Doctor of Philosophy are required to spend in Semitic work half their time for at least three years.

The work of the department is so arranged that students may specialise in Hebrew or Assyrian. Students who offer Hebrew or Assyriology as the major subject in the examination for the degree of Doctor of Philosophy must possess a knowledge of the grammatical forms of five Semitic languages and in this enumeration Syriac and Jewish Aramaic may not count as separate languages. For a list of approved associated and independent minors see the Regulations of the Academic Council.

The regular alternation of courses is indicated below and at least five hours a week will be given in each year, the courses being selected according to the needs of the graduate students. Graduate students may enter in any year of the four years' course, as there will be afforded each year an opportunity for graduate students to begin Hebrew.

The following courses are offered in 1914-15 and again in 1916-17:

## Semitic Seminary, Dr. Barton.

*Two hours a week throughout the year.*

This seminary is devoted to Hebrew or Assyrian, the languages that may be offered as major subjects for the doctor's degree. The time may be devoted to one of these languages, or may be divided between the two, according to the needs of the students. In Assyrian the subject may be chosen from one of the following: the oldest Babylonian inscriptions, temple archives of Telloh, Sumerian hymns, the code of Hammurabi, Semitic contracts or mythological poetry. In Hebrew one of the following subjects may be selected: the historical books, Job, the Psalter, Isaiah, Jeremiah, Ecclesiastes, and the Song of Songs, or Hebrew Epigraphy. In the Hebrew seminary the students are trained in textual criticism through the use of the ancient versions.

## Seminary in Aramaic and Arabic, Dr. Barton.

*Two hours a week throughout the year.*

This seminary is devoted to Arabic or Aramaic the languages that may be offered as minor subjects for the doctor's degree. The time may be devoted to one of the languages, or may be divided between the two, according to the needs of the students. In Arabic the subject may be chosen from one of the following: the Coran, pre-Islamic poetry, Arabic geographers, or South Arabic inscriptions. In Aramaic, one of the following subjects may be selected; a comparative study of the Syriac Versions of the Gospels, the Syriac Version of one of the Old Testament books, the writings of Gregory Bar Hebraeus, or of Efraem, the Targum on one of the Old Testament books, the Talmud, or Aramaic inscriptions.



## Comparative Semitic Grammar, Dr. Barton.

*One hour a week throughout the year.*

The grammar of Brockelmann is used as a basis with comparisons from the Egyptian and other Hamitic languages.

## Ethiopic, Dr. Barton.

*One hour a week throughout the year.*

The grammar and *Chrestomathia* of Praetorius and Dillmann are used, and in the latter part of the course selections are read from the book of Enoch.

## Hebrew Literature, Dr. Barton.

*One hour a week throughout the year.*

This course is devoted to a study of the Prophets, the Pentateuch, and the historical books of the Old Testament.

## Seminary in Oriental Archæology, Dr. Barton.

*One hour a week throughout the year.*

The work of this course may be devoted to the archæology of Mesopotamia, Palestine, or Egypt according to the needs of the students. It consists of extensive courses of reading in the literature of the subject, together with a study of photographs and archæological objects, of reports, criticisms, conferences, and occasional lectures. To meet the needs of students of ancient history, the Seminary may in some years be devoted to the history of one of the countries mentioned. The work will then consist in a study of the sources of the history of the country chosen, and the proper method of using them.

The following courses are offered in 1915-16 and again in 1917-18:

## Semitic Seminary, Dr. Barton.

*Two hours a week throughout the year.*

The work of the seminary is continued as given in 1914-15.

## Hebrew, The Prophets, Dr. Barton.

*One hour a week throughout the year.*

The text of one or more of the Prophets is critically interpreted, and Hebrew syntax and composition are studied.

## Elementary Semitic Languages, Dr. Barton.

*Two hours a week throughout the year.*

This course may be devoted to the elements of Hebrew, or of Aramaic (Syriac and Jewish Aramaic), or Assyrian, or Arabic according to the needs of the students. The time may, if necessary, be divided between two of these languages.

## Seminary in New Testament Greek, Dr. Barton.

*One hour a week throughout the year.*

The work of the seminary is varied from year to year, so that a continuous course, covering the interpretation and the literary problems of the entire New Testament and the sub-Apostolic literature, may be pursued through four years. A year is devoted to the New Testament Epistles, another to the interpretation of the Gospels and the Synoptic and Johannine problems, a third to the books of Acts and Revelation, and a fourth to the Apostolic Fathers. During the first year of her work each student is given guidance in a course of reading on the history of the text and the science of textual criticism and also guidance in the practice of this discipline.

## Egyptian.

*One hour a week throughout the year.*

The elements of Egyptian and Coptic grammar are taught, and some texts in each language interpreted.

## Seminary in the History of Religion, Dr. Barton.

*One hour a week throughout the year.*

The work consists of reports, lectures and discussions on primitive religion, including the religion of the Semites, the religions of Egypt, Babylonia and Assyria, China, Japan, India, including the Vedic and later religions, the religions of Greece and Rome, the religion of Israel, Judaism, Christianity, and Mohammedanism.

### History.

The instruction in this department is under the direction of Mr. Clarence H. Haring, Associate in History, Dr. William Roy Smith, Professor of History, and Dr. James Miller Leake, Lecturer and Associate (elect) in History, Dr. George A. Barton, Professor of Semitic Languages and Biblical Literature, and Dr. James Fulton Ferguson, Associate and Associate Professor (elect) in Latin and Ancient History.

The instruction offered in history covers forty-four hours of lectures a week; it includes twenty hours a week of undergraduate major and minor work in modern history and ten hours a week of major and minor work in ancient history; five hours a week of post-major work, open only to graduates and undergraduates that have completed the major course in history, and nine hours a week of graduate work.

The object of the major course in history is three-fold. Primarily, history is taught for its own sake as a record of the development of humanity; secondarily, as a necessary accompaniment to the study of political institutions; and finally, as a framework for other forms of research, linguistic, religious, or archæological. The courses are planned to develop in the students a readier historical sense, and a consciousness of historical growth, rather than to give them a mere outline of general history. The instruction consists mainly of lectures, which are designed to create interest in the broad lines of historical development; the lectures are accompanied by constant references for private reading, to stimulate accuracy in detail and independence in judgment.

#### FIRST YEAR.

*(Minor Course.)*

*Modern History.*

*Modern History.*

*1st Semester.*

*(Given in each year.)*

History of Europe from 1815 to 1915, Mr. Haring and Dr. Leake.

*Major Course,*  
*Five hours a week.*

(This course may be taken as a free elective. The class is divided alphabetically into two sections, A and B. Mr. Haring lectures to Section A, Dr. Leake lectures to Section B.)

The course deals with the political and social transformation of Europe in the nineteenth century. It opens with an outline of the career of Napoleon. The lectures trace the reaction against legitimism and Metternichism, and the growth of liberal ideas and constitutional government. In the second semester special attention is paid to the union of Italy and to the foundation of the German Empire. Attention is also given to questions of the near and far East and to problems of colonial expansion. This course was given in 1914-15 three hours a week throughout the year.

### *2nd Semester.*

#### History of the Reformation, Dr. Smith.

*Five hours a week.*

(This course may be taken as a free elective. The course in the History of Western Europe in the Middle Ages may be substituted for this course.)

The course begins with a brief survey of the Middle Ages, special emphasis being placed upon the organisation of the Church, the rise and fall of the Papacy, the work of the Councils of Pisa, Constance, and Basel, and the pre-Lutheran reform movements. A more detailed account of the growth of Protestantism and the counter measures follows; the war in the Netherlands, the religious and political struggles in France, and the Thirty Years' War are discussed. The course closes with the treaty of Westphalia in 1648. This course was given in 1914-15 two hours a week throughout the year.

#### The History of Western Europe in the Middle Ages, Dr. Leake.

*Five hours a week.*

(This course may be taken as a free elective. The course in the History of the Reformation may be substituted for this course.)

Commencing with a survey of conditions in the Roman world at the end of the fourth century A. D., this course carries the story of the people of Western Europe to the eve of the Renaissance. While general in character, particular study is given to the development of France, to the rise of the Papacy, and to the great role played by the Church in this middle period. Where possible, emphasis is laid on social, intellectual, and artistic life. Robinson's *History of Western Europe*, with the same author's *Readings in European History*, are used by the students as guides, and additional selected readings and exercises are regularly required. This course was given in 1914-15 two hours a week throughout the year.

### SECOND YEAR.

#### *Modern History.*

### *1st Semester.*

*(Given in each year.)*

#### History of the United States from 1865 to 1915, Dr. Smith.

*Five hours a week.*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under this condition it may be taken as a free elective. The course on The French Revolution and Napoleon may be substituted for this course.)

The aim of this course is to present the historical background necessary to enable students to discuss intelligently the more important social, industrial, political, and diplomatic problems of the present day. They will also be taught by means of required reading and reports how to use memoirs, letters, magazines, newspapers, and other contemporary historical sources. This course was given in 1914-15 two hours a week throughout the year.

#### The French Revolution and Napoleon, Dr. Leake.

*Five hours a week.*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under this condition it may be taken as a free elective. The course on History of the United States from 1865 may be substituted for this course.)



This course treats of the history of France and of Europe from 1789 to 1815, by means of lectures, assigned readings, and reports. The period is considered as an organic whole and the career of Napoleon is regarded as that of a child of the Revolution who in his later years abuses what has made him. The form of the course is chiefly narrative and an effort is made to view the Revolution in its wider aspects as, in a sense, a part of the history of all modern states. The increasing mass of secondary material is appraised and some printed documentary material is used for reports and references. This course was given in 1914-15 three hours a week throughout the year.

## 2nd Semester.

### History of England since 1066.\*

*Five hours a week.*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under this condition it may be taken as a free elective.)

The objects of this course are to review the principal events in English history since the Norman conquest and also to explain modern England. The treatment is therefore both chronological and topical, the topics discussed being either of contemporary importance or explanatory of present political history. Up to 1485 the lectures merely summarise facts and emphasise changes; after 1485 the treatment is more detailed and special subjects such as the development of the cabinet system, the American Revolution from the English point of view, the industrial revolution, parliamentary reform, and recent social legislation was discussed.

### British Imperialism, Dr. Smith.

*Five hours a week.*

*(Given in each year.)*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under this condition it may be taken as a free elective. In 1914-15 it was given two hours a week throughout the year and in 1915-16 it will again be given two hours a week throughout the year as an elective.)

This course deals with the external history of the English people: the sea-rovers of the sixteenth century; the beginnings of American colonisation; the contrast between the old colonial system and the new; the history of Canada, Australasia, South Africa, India, Egypt and other colonies and dependencies; the new imperialism of Beaconsfield and Chamberlain; the present position of England as a world power.

## FIRST YEAR.

*(Minor Course.)*

*Ancient History.*

**Ancient History.**

*(Given in each year.)*

### Oriental History, Dr. Barton.

*Three hours a week throughout the year.*

**Major Course.**

(This course may be taken as a free elective and may be entered in the second semester, but must be elected in both semesters in order to count as part of the minor course in Ancient History.)

This course treats in broad outlines the history of the civilisation of the Classical Orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal oriental nations, Egyptians, Babylonians, Assyrians, Phoenicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archaeological specimens and by photographs. Either semester may be elected separately.

\* This course will be given by an instructor whose appointment will be announced later.



## Outline Survey of Classical History, Dr. Ferguson.

*Two hours a week throughout the year.*

(This course may be taken as a free elective and may be entered in the second semester, but must be elected in both semesters in order to count as part of the minor course in Ancient History.)

The object of the course is to trace in outline the growth of Græco-Roman civilisation from its beginnings to the reign of Charlemagne. The growth and fall of the city-state, the founding of empire and the spread of Greek culture by Alexander and his successors, the reaction of the Greek upon the Roman world, the changes introduced by foreign religions, and by the Teutonic invasions, and the growth of Teutonic nations with Roman ideals and spirit, are some of the subjects to be studied. The course is intended to serve as an introduction to further study in classical or mediæval history.

## SECOND YEAR.

*Ancient History.**1st Semester.**(Given in each year.)*

## Fifth Century Athens, Dr. Ferguson.

*Three hours a week.*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under the above conditions it may be taken as a free elective, but students taking Ancient History as a group must elect also the course in the First Century of the Roman Empire in order to count it as part of the major course.)

The political, economic, and social life of Greece, especially of Athens, during the fifth century B. C. is studied to show the influences under which Greek art and literature developed. Lectures are supplemented by reports on assigned topics.

## Lectures on Roman Life, Dr. Frank.

*One hour a week.*

(This course may be taken as a free elective and may be entered in the second semester, but students taking Ancient History as a group must elect the course in both semesters in order to count it as part of the major course.)

An attempt is made to describe briefly Roman social and economic conditions, as well as the development of religious beliefs and institutions.

## The Historians of Greece and Rome, Dr. Ferguson.

*One hour a week.*

(This course may be taken as a free elective and may be entered in the second semester, but students taking Ancient History as a group must elect the course in both semesters in order to count it as part of the major course.)

The course is intended to show the nature and worth of historical writing among the Greeks and Romans. The works of some of the more important historians are analysed to discover their methods, accuracy, and conception of history. The influence of rhetoric and biography on historical writing is studied, and some practical work in bibliography and criticism is given.

*2nd Semester.*

## The First Century of the Roman Empire, Dr. Ferguson.

*Three hours a week.*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under the above conditions it may be taken as a free elective, but students taking Ancient History as a group must elect also the course in Fifth Century Athens in order to count it as part of the major course.)

The course consists of a study of the political and economic and social life of the early empire, with special reference to the reign of Augustus. Some source study, and criticism of modern accounts is given. The lectures will be supplemented by reports on assigned topics.

Lectures on Roman Life (continued), Dr. Frank.

*One hour a week.*

The Historians of Rome (continued), Dr. Ferguson.

*One hour a week.*

*Group:* Modern History with Economics and Politics; Modern History with German, or with French, or with History of Art; Ancient History with Greek, or with Latin, or with Classical Archæology.

#### POST-MAJOR COURSES.

England under the Tudors, Mr. Haring. *Two hours a week throughout the year.*

*(Given in 1914-15 and again in 1916-17.)*

**Post-  
Major  
Courses.**

The principal aspects of the narrative and constitutional history of England under the Tudors will be studied in some detail. Use will be made of general histories, but the work of the students will, as far as possible, be done from State papers, published correspondence, etc. The course will be conducted by lectures, discussions, and oral reports from members of the class.

England under the Stuarts.\*

*Three hours a week throughout the year.*

*(Given in 1915-16 and again in 1917-18.)*

This course is conducted on the same general plan as the preceding course.

American Constitutional History to 1783, Dr. Smith.

*Two hours a week throughout the year.*

*(Given in 1915-16 and again in 1917-18.)*

The text-books used in the course are MacDonald's *Select Charters of American History* and *Select Documents of the History of the United States*. The members of the class are also systematically referred, not only to the general authorities, but also to colonial charters and constitutions, the records of the colonial governments as far as they are available, the journals of Congress, and other documentary materials.

American Constitutional History from 1783 to 1865, Dr. Smith.

*Two hours a week throughout the year.*

*(Given in 1914-15 and again in 1916-17.)*

The lectures deal with the leading aspects of the political, constitutional, and economic history of the United States from the ratification of the constitution to the present time. The text-books used are MacDonald's *Select Documents of the History of the United States*, but frequent additional references are given to the leading secondary authorities. To a limited extent use will be made of such documents as are available in the library, and special topics will be assigned for discussion and report. This course met for three hours a week in 1914-15.

England since 1714, Dr. Leake.

*Two hours a week throughout the year.*

*(Given in 1914-15.)*

This course is conducted by means of lectures, assigned readings, and written reports. Its purpose is rather to explain than to narrate. Therefore the treatment is topical as well as chronological, emphasis being laid upon those political, social, and constitutional changes which have made modern England. Among the topics discussed are the rise and fall of the Whig oligarchy, the evolution of the cabinet system, the rise of Methodism, the American Revolution as a constitutional question, England and the French Revolution, the industrial revolution, parliamentary reform, England and the Monroe doctrine, the repeal of the corn laws, Home Rule, and present-day Liberalism.

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\* This course will be given by an instructor whose appointment will be announced later.

## GRADUATE COURSES.

Three distinct seminars, one in English and European history, one in American history and one in Ancient history are offered to graduate students in history in addition to a course in Historical Method and Bibliography and the direction of private reading and original research. Students may offer either European History or American History as a major for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Seminary in English and European History, Mr. Haring.

*Three hours a week throughout the year.*

*(Given in each year.)*

In 1914-15 the subjects of the seminary are the economic relations of Spain with Europe and America in the sixteenth century, the creation of the Spanish system of commercial monopoly centered at Seville, the evolution of the scheme of annual treasure fleets to Vera Cruz and Nombre de Dios, the growth of Spanish-American trade and the share in that trade acquired by the northern maritime nations, and the influence of the importation of bullion from Mexico and Peru upon prices in Spain and the rest of Europe.

In 1915-16 the subject of the seminary will be England under the early Stuarts. The work is concerned especially with foreign policy and the organisation and expansion of foreign trade.

In 1916-17 the seminary will deal with social and economic problems in the history of England under the Tudors. The growth of capital and its effect on commercial and industrial practice, enclosures and the decay of agriculture, the rise in prices, foreign commercial policy and the evolution of the merchant companies are among the topics for discussion.

Seminary in American History, Dr. Smith.

*Two hours a week throughout the year.*

*(Given in each year.)*

In 1914-15 the subject of the seminary is slavery and the negro problem. After a preliminary survey of the history of slavery in the colonial period such topics as the slavery compromises of the constitution, the growth of slavery in the South, the abolition of the slave trade, the Missouri Compromise, the anti-Slavery movement, nullification, the Mexican War, the Wilmot Proviso, the compromise measures of 1850, the Kansas-Nebraska bill, the Dred Scott decision, the abolition of slavery, and the adoption of the thirteenth, fourteenth and fifteenth amendments are discussed. Special attention is paid to the conflict between sectionalism and nationalism and the connection between slavery, territorial expansion, and the development of constitutional theories.

In 1915-16 the American colonies in the seventeenth and eighteenth centuries will be the subjects of the seminary. The political, constitutional, and social problems of the colonies in the seventeenth century will be studied in the first semester. In the second semester special stress will be laid upon the development in the eighteenth century of the imperial administrative machinery and upon the ethnical distribution of population in the colonies.

In 1916-17 the Revolution, the Confederation and the Constitution will be the subjects of study. American history from 1776 to 1789 is discussed primarily from the local point of view as a step in the conflict between the seaboard aristocracy and the democracy of the frontier. The social and economic forces which led to the adoption of the Federal Constitution and the subsequent formation of national political parties are investigated.

All students offering this seminary for the degree of Doctor of Philosophy are required to offer in addition the course in Historical Method and Bibliography.



## Seminary in Ancient History, Dr. Ferguson.

*Two hours a week throughout the year.*

In 1914-15 the Hellenistic Age is the subject of the seminary. The development of the Hellenistic world is traced from the formation of permanent states down to the conquest of the east by Rome. Special emphasis is given to the intellectual awakening, the formation of Greek leagues, commercial activity, and the effect of the contact of the Greek and Roman worlds.

In 1915-16 the Early Empire, its political, economic, and religious problems will be the subjects of study. The work of the first semester will be concerned with the reign of Augustus, and with a careful criticism of the estimate of Augustus by Ferrero. In the second semester the period will be treated more by topics than by individual reigns. Such topics as deification of emperors, religious persecutions, extension of citizenship, cabinet government, decline of senatorial power, trade and trade policy will be investigated.

In 1916-17 the Later Roman Empire will be studied. The founding of absolutism and its effects, economic depression, serfdom, religious controversies, and the relations between church and state, will be among the topics for discussion.

## Historical Method and Bibliography, Dr. Leake.

*One hour a week throughout the year.*

The matters dealt with in this course are the field of history and its relations to allied subjects; the evolution of the scientific historical method; the outlines of historical bibliography; the great collections of printed material; archives and MSS.; the work and rank of leading historians of the modern school. Throughout the course practical studies will be assigned to illustrate the subjects under discussion. A reading knowledge of French and German is required. This course must be elected by all students who offer the seminary in American History for the degree of Doctor of Philosophy.

## Historical Journal Club, Mr. Haring, Dr. Smith, and Dr. Leake.

*Two hours once a fortnight throughout the year.*

The instructors in the department of history and the graduate students who are pursuing advanced courses in history meet once a fortnight to make reports upon assigned topics review recent articles and books, and present the results of special investigations.

**Economics and Politics.**

The instruction in this department is under the direction of Dr. Marion Parris Smith, Associate Professor of Economics and Politics, Dr. Charles Ghequiere Fenwick, Lecturer and Associate Professor (elect) in Political Science, Mr. Frederick Archibald Dewey, Lecturer in Economics and Sociology, and Dr. Susan Myra Kingsbury, Carola Woerishoffer Professor (elect) of Social Economy and Director of the Carola Woerishoffer Department of Social Research.

The instruction offered in this department covers twenty-seven hours of lectures a week; it includes ten hours a week of undergraduate minor and major work; one hour of free elective, seven hours a week of post-major work open only to graduates and to undergraduates who have completed the major course in economics and politics; and nine hours a week of graduate work.



The object of the undergraduate courses in economics and politics is three-fold: first, to trace the history of economic and political thought; second, to describe the development of economic and political institutions; and third, to consider the practical economic and political questions of the day. Instruction is given by lectures. The lectures are supplemented by private reading, by oral and written quizzes, by written theses and reports, and by such special class-room exercises as the different subjects require.

#### FIRST YEAR.

(*Minor Course.*)

##### 1st Semester.

(*Given in each year.*)

#### **Major Course.**

Introduction to Economics, Dr. Marion Parris Smith and Dr. Kingsbury.

*Five hours a week*

(This course may be taken as a free elective. The class is divided alphabetically into two sections, A and B. In 1914-15 Dr. M. P. Smith lectured to Section A in the first semester and to Section B in the second semester. Mr. Dewey lectured to Section B in the first semester and to Section A in the second semester and the course met three hours a week throughout the year.)

The objects of this course are to introduce the students to the economic problems in the modern state with their necessary historical antecedents, and to train them to think clearly on economic subjects. The first semester is devoted to a study of modern economic organisation; production, both agricultural and industrial; distribution of price between landlords, capitalists, and wage earners; and the mechanism of exchange. The work of the second semester will consist in a study of economic institutions; money and banking, insurance, foreign exchange, organised markets; systems of transportation, organisation of capital, trade unions, etc.

##### 2nd Semester.

Introduction to Government and Politics, Dr. Fenwick and Dr. Leake.

*Five hours a week.*

(This course may be taken as a free elective. The class is divided alphabetically into two sections, A and B, one conducted by Dr. Fenwick and one by Dr. Leake. In 1914-15 this class met two hours a week throughout the year and was conducted by Dr. Fenwick.)

The object of this course is to present the structure and organisation of the government of the United States and of the government of the several states, together with an examination of the party system and its effects upon the actual operations of government. It is followed by a comparative study of the governments of Great Britain, France, and Germany.

Sociology, Mr. Dewey.

*Two hours a week throughout the year.*

(*Given in 1914-15.*)

The relation of man to his environment is developed by an evolutionary study, with emphasis on origins, not only of society but also of individuals. A descriptive analysis of association and the development of civil society is followed by the consideration of institutions and the growth of social ideals. The practical effect of these ideals in modern life is indicated.

## SECOND YEAR.

*1st Semester.**(Given in each year.)*

## Present Political Problems, Dr. Fenwick.

*Five hours a week.*

(This course may be elected only by students who have studied economics and politics at least five hours a week for one year. Under this condition it may be taken as a free elective. It was given in 1914-15 two hours a week throughout the year.)

The object of this course is to present the chief political problems which have arisen in recent years. The several branches of the federal and state governments are taken up one by one and such questions discussed as: the influence of the Executive over Congress; the conflict between treaties and legislation; the relation of the administrative departments to Congress; Committee rule in Congress, the growth of the judicial power and proposals for restricting it; the courts and social legislation; the initiative, referendum and recall; commission government in cities, etc. The course will be preceded by a brief study of modern theories relating to the end and object of the state, in order to ascertain the proper sphere of the activities of the state.

*2nd Semester.*

## History of Economic Thought, Dr. Marion Parris Smith.

*Five hours a week.*

(This course may be elected only by students who have studied economics and politics at least five hours a week for one year. Under this condition it may be taken as a free elective. The course was given in 1914-15 three hours a week throughout the year.)

The object of this course is to give advanced students an historical introduction to modern economic thought as a basis for a critical study of modern economic problems. The successive changes in the theory of value and of distribution since the middle of the eighteenth century are studied with special reference, first, to the philosophical and speculative thought, and second, to the industrial institutions of the times.

The students will be expected to read critically portions of standard texts, including Adam Smith's *Wealth of Nations*, Ricardo's *Principles of Political Economy and Taxation*; Malthus's *Principles of Population*; Senior's *Political Economy*; J. S. Mill's *Principles of Political Economy*; Jevons's *Political Economy*; and selections from the writings of Marshall, Wicksteed, Böhm-Bawert, Wieser, J. B. Clark, Pantaleoni and others. Numerous short papers in connection with the reading, and one long report on some specially assigned subject are required.

*Group: Economics and Politics with Modern History or with Philosophy, or with Philosophy and Psychology, or with Psychology.*

## FREE ELECTIVE COURSE.

Elements of Private Law, Dr. Fenwick. *One hour a week throughout the year.**(Given in each year.)****Free  
Elective  
Course.***

The object of the course is to familiarize the student with the principles and technical terms of those branches of private law with which the ordinary citizen is brought into contact. The subjects covered include Persons and Domestic Relations, Contracts, Torts, Real and Personal Property, and the chief forms of Procedure. The lectures are supplemented by a study and discussion of judicial decisions bearing on the subject. The class met in 1914-15 two hours a week during the second semester.

## POST-MAJOR COURSES.

**Post-Major Courses.**

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

American Social Problems, Dr. Marion Parris Smith.

*Two hours a week throughout the year*

*(Given in 1914-15 and again in 1916-17.)*

The object of this course is to trace certain social movements in the United States from 1865 to the present time. Special studies are made in the changes in rural and urban population; the development of city life; the problems of country life; immigration, the race problem; recent developments in education; the care of defectives, and poor relief. Special topics are assigned to students for reports and attention is given to the use of original source material.

Economic and Social Legislation in England and America since 1890, Dr. Marion Parris Smith.

*Three hours a week throughout the year.*

*(Given in 1915-16 and again in 1917-18.)*

The first semester is devoted to a review of recent English legislation dealing with trade unions, workmen's compensation, minimum wages, the sweated trades, old age pensions, unemployed, child-welfare, and the land system. In the second semester American legislation on these subjects is reviewed as well as recent Anti-Trust legislation. Special topics are assigned to students for reports, and attention is given to the use of original source material.

International Law, Dr. Fenwick.

*Two hours a week throughout the year.*

*(Given in 1914-15 and again in 1915-16.)*

The object of this course is to present the rules of international law as a positive system with an historical background of custom and convention. Use is made of judicial decisions of British and American courts applying the principles of international law wherever such cases are in point, and an endeavour is made to determine the precise extent to which a given rule is legally or morally binding upon nations. In view of the importance of the rules relating to war and neutrality at the present time, greater attention is paid to these than to the laws prevailing between nations at peace. This course met three hours a week throughout the year in 1914-15.

Constitutional Law of the United States, Dr. Fenwick.

*Three hours a week throughout the year.*

*(Given in 1916-17.)*

In this course the leading principles of the American constitutional system will be examined. The course will deal principally with the federal constitution and the decisions of the Supreme Court of the United States. Some attention will be given, however, to state constitutions and the decisions of state courts. Stress will be laid upon decisions relating to social and economic questions.

Elements of Statistics, Mr. Dewey.

*Three hours a week throughout the year.*

*(Given in 1914-15.)*

Proper methods of obtaining and handling statistics, such as vital, health, trade statistics, working men's budgets, etc., are developed. The course first treats of the various methods of obtaining statistics. Tabulation, representation through averages, the mode, etc., are then discussed and also pictograms. Simple methods of analysing the data and treating them mathematically are described and an actual investigation is then undertaken by the students. The course consists of two lectures and two and a half hours of laboratory work each week.

Elements of Social Statistics and Methods of Social Research, Dr. Kingsbury.

*Two hours a week during the first semester.*

*(Given in 1915-16 and in each succeeding year.)*

The object of the course is to acquaint the student with the sources of social statistical information and methods of securing, analysing, interpreting, and presenting social data. Preparation of various types of schedules, tabulation of information secured, the proper use of the several kinds of averages (mean, median and mode), of skewness and of correlation and of graphics are among the subjects presented. The course concludes with a critical study of the methods used in social economic investigations and reports by federal and state departments and by private organizations. The course in graphic mathematics must be taken in connection with this course, see pages 124 to 125.

Organized Effort for Social Betterment, Dr. Kingsbury.

*Two hours a week during the second semester.*

*(Given in 1915-16 and in each succeeding year.)*

A brief survey of the origin, growth, and present methods of the most important social service and social welfare organizations will be presented in order to acquaint the student with the lines of activity open to social workers, (1) in social education, through settlements, civic centres or other neighborhood organizations; (2) in improvements of industrial conditions, through associations for labor legislation, labor organizations, or consumers' efforts; (3) in vocational counselling, through vocational advising, through placement, or through adjustment of employment; (4) in child welfare, through societies for care and protection of children; (5) in social relief, through organizations for the reduction and prevention of poverty; (6) in social correction, through the probation work in the juvenile courts or corrective institutions; or (7) in social investigation and research.

GRADUATE COURSES.

Nine hours a week of seminary work and graduate lectures are offered each year to graduate students of economics and politics. **Graduate Courses.**

Three seminaries, one in economics, one in political science, and one in social economy are offered each year in addition to the direction of private reading and original research. An advanced course in statistics is also given. Post-major courses amounting to seven hours a week which may be elected by graduate students are given in each year. Students may offer either economics or politics as their major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library.

Economics Seminary, Dr. Marion Parris Smith.

*Two hours a week throughout the year.*

*(Given in each year.)*

In 1914-15 Economic Theory in England and America in the nineteenth century with special attention to the ideas of free trade and protection is the subject of the seminary.

In 1915-16 Currency and Banking Systems of the United States will be the subject of the seminary.



In 1916-17 Problems of Distribution and the agencies in modern social life that effect the distribution of wealth will be studied. Special attention will be paid to the study of the minimum wage, the various plans for controlling large scale production, modern land systems, etc.

Political Seminary, Dr. Fenwick.

*Three hours a week throughout the year.*

*(Given in each year.)*

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures are given but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

In 1914-15 a comparative study is made of the governments of the United States, Great Britain, France, and Germany as a basis for an investigation of certain present day problems of government in each of these countries. The seminary deals first with the constitutions of the several countries, then the legislative, executive and judicial departments in turn, and closes with a study of the governmental problems peculiar to each state.

In 1915-16 Constitutional Questions involved in Modern Economic and Social Problems is the subject of the seminary. The chief economic and social problems in the United States will be studied from the point of view of the restrictions placed by the constitution upon the legislative powers of Congress and of the several states in dealing with those subjects. As an introduction the various theories relating to the functions of the state and the proper sphere of its activity will be discussed.

In 1916-17 Constitutional Law of the United States will be the subject of the seminary.

Seminary in Social Economy, Dr. Kingsbury.

*Three hours a week throughout the year.*

*(Given in each year.)*

A description of this seminary will be found on page 107.

Statistical Sociology, Mr. Dewey.

*One hour a week throughout the year.*

*(Given in 1914-15.)*

This course deals with statistical methods of studying social phenomena.

Economics Journal Club, Dr. Marion Parris Smith, Dr. Fenwick, Mr. Dewey and Dr. Kingsbury.

*Two hours once a fortnight throughout the year.*

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

## Social Economy and Social Research.

*The Carola Woerishoffer Graduate Department of Social Economy and Social Research.*

This department will be opened in the autumn of 1915 and will be known as the Carola Woerishoffer Graduate Department of Social Economy and Social Research in order to associate in a fitting and lasting way with Bryn Mawr College to whose endowment she so generously contributed the name of Carola Woerishoffer. The department will afford women an opportunity of obtaining advanced scientific training in philanthropy and social service to which Carola Woerishoffer devoted her life.

The instruction in this department is under the direction of Dr. Susan Myra Kingsbury, Carola Woerishoffer Professor (elect) of Social Economy and Director of the Carola Woerishoffer Department of Social Research, with the co-operation of the following members of allied departments: Dr. Marion Parris Smith, Associate Professor of Economics; Dr. Charles Ghequiere Fenwick, Associate Professor (elect) of Political Science; Dr. James H. Leuba, Professor of Psychology and Education; Dr. Gertrude Rand, Associate in Experimental and Educational Psychology; Dr. Kate Gordon, Associate Professor of Education; Dr. Charlotte Angas Scott, Professor of Mathematics; Dr. David Hilt Tennent, Professor of Biology.

The courses in Social Economy and Social Research are intended for graduate students only. No undergraduate students are admitted although graduate students in the department in addition to the undergraduate courses in economics and political science may elect, subject to the approval of the Director, undergraduate courses in other subjects.

The courses are planned for one, two, and three years, on the principle that about two-thirds of the student's time shall be given to the study of theory and statistics and the remaining one-third to practical investigation and work in her chosen field. One half year may be spent in residence in a social service institution or in connection with a social welfare organization in Philadelphia, or New York, or elsewhere, during which time the practical work and special reading and research will be supervised by the Director of the department and the Head of the institution or organization.

The degree of Doctor of Philosophy in Social Economy and Social Research is open to graduates of all colleges of high standing under the conditions prescribed for this degree in Bryn Mawr College, the preliminary preparation required being equivalent to the courses outlined in the group of economics and political science.

Graduate students having completed the above preliminary work in Economics and Political Science, or its equivalent, who are able to study for two years only will receive a diploma certifying to the work they have taken in the Graduate Department of Social Economy and Social Research.

Graduates of colleges other than Bryn Mawr College with the preparation specified above who are able to study for one year only will receive diplomas certifying to the work they have taken which will in many cases be accepted for the master's degree in the colleges and universities from which they have received their bachelor's degree. Graduates of Bryn Mawr College may receive the degree of Master of Arts in Social Economy and Social Research under the conditions prescribed for this degree.

Candidates for the degree of Doctor of Philosophy in Social Economy and Social Research may select an associated or independent minor from the following seminaries and graduate courses and from other graduate seminaries or courses, subject to the approval of the Graduate Committee. The practicum through which training and experience may be obtained under a social service institution or in connection with a social service organization will be counted as an associated minor.

Ten hours a week of seminary work, eight hours of graduate lectures, and two hours of advanced undergraduate work are offered to graduate students in Social Economy and Social Research, accompanied by direction of investigation and research in special fields, and by supervision of the practicum in social service and welfare. The seminaries and courses are either repeated or given in rotation so that they may be entered in any year of the student's course or may be pursued through three consecutive years. Major courses in economics and politics, social psychology, and educational psychology and elective courses in private law and theoretical biology are recommended to students of Social Economy and Social Research. The selection of courses will depend upon the field of social work which the student may choose. The seminary in Social Economy and Social Research, and, unless previously taken, a post-major course in Social Statistics and Methods of Social Research are required of all students of the department.

#### GRADUATE COURSES.

The following graduate courses may be elected subject to the approval of the Director of the Department by students working for the first and second year diplomas as well as by candidates for the degree of Doctor of Philosophy in Social Economy and Social Research.



### Seminary in Social Economy and Social Research—Evolution of Organized Effort for Social Betterment, Dr. Kingsbury.

*Three hours a week throughout the year.*

*(Given in each year.)*

The seminary will study selected social service institutions and social welfare organizations by means of special reports assigned to the students according to their chosen field of work, and will endeavour to trace the evolution of methods and principles which have originated these movements and guided their activities.

In addition research including field work in the conditions of employment and non-employment, rates of wages, social relations, vocational opportunities and demands, and other subjects will be required of research fellows and scholars and will be offered to every student, a group of students co-operating to produce a study which, it is hoped, may be a contribution to our knowledge of the social or industrial conditions investigated. This study may be carried on in connection with a practicum, i. e., practical investigation in a selected social service institution.

As the chief subjects of investigation will vary from year to year it will be possible for students to follow the work of the seminary for three consecutive years.

### Economics Seminary, Dr. Marion Parris Smith.

*Two hours a week throughout the year.*

*(Given in each year.)*

In 1916-17 the subject of the seminary will be Problems of Distribution. The agencies in modern life that effect the distribution of wealth will be studied. Special attention will be paid to the study of the minimum wage, of various plans for controlling large scale production, modern land systems, etc. For the subjects of Dr. Marion Parris Smith's seminary in 1915-16 and 1917-18, see pages 103 to 104.

### Political Seminary, Dr. Fenwick.

*Three hours a week throughout the year.*

*(Given in each year.)*

In 1915-16 the subject of the seminary will be Constitutional Questions involved in modern economic and social problems. The chief economic and social problems in the United States will be studied from the point of view of the restrictions placed by the Constitution upon the legislative powers of Congress and of the several states in dealing with this subject. As an introduction the various theories relating to the functions of the state and the proper scope of its activity will be discussed. For the subjects of Dr. Fenwick's seminary in 1914-15 and 1916-17, see page 104.

### Psychological Seminary: Social Psychology, Dr. Leuba.

*Two hours a week throughout the year.*

*(Given in each year.)*

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: feeling and emotion; attention, apperception, the will; the psychology of religion and of ethics; language, myths, customs; psychology of the beautiful; psychiatry and criminology; animal and child psychology.

### Seminary in Educational Problems, Dr. Gordon.

*Two hours a week throughout the year.*

*(Given in each year.)*

This seminary is open to students who have completed the seminary in methods of teaching or have done equivalent work. The selection of subjects in this course varies from year to year. For 1915-16 a study of the methods for diagnosing intelligence will be taken up and an opportunity given for the student to assist at the giving of tests on school children. Other topics for study will be: advanced readings in the History of Education, School Hygiene, the principles underlying the curriculum.



The Psychology and Treatment of Deficient and Unusual Children,  
Dr. Leuba.

*Two hours a week throughout the year.*

*(Given in each year.)*

Mental Tests, Dr. Rand.

*Two hours a week throughout the year.*

Laboratory Work, Dr. Rand.

*Four hours a week throughout the year.*

This course combines seminary, laboratory drill, and research features. In the seminary work the history, development, and purpose of mental tests will be treated, and a study made of the sensory and higher mental processes. The laboratory drill will consist of training in the application of tests (including the Binet-Simon series), and practise in diagnosing mental ability, using as subjects children from schools in the vicinity of Bryn Mawr and Philadelphia. The research work will consist of special problems in the devising and standardization of tests, and the formulation of methods designed to improve specific mental deficiencies. The course is open only to graduate students who have had training in experimental psychology.

Special Laboratory Problems in Mental Tests, Dr. Rand.

*Four hours a week throughout the year.*

This course is offered in 1915-16 and every year in connection with the course in Mental Tests to students who wish to pursue advanced work.

Practicum in Social Work, Dr. Kingsbury.

*One-third of the student's time throughout the year.*

Practical work will be arranged for each student in connection with the social service institution or organization in her chosen field. The practical work and special reading and research assigned by the Director of the Department will be supervised by the Director in co-operation with the head of the institution or organization.

#### POST-MAJOR COURSES.

Elements of Social Statistics and Methods of Social Research, Dr. Kingsbury.

*Two hours a week during the first semester.*

*(Given in 1915-16 and in each succeeding year.)*

The object of the course is to acquaint the student with the sources of social statistical information and methods of securing, analysing, interpreting and presenting social data. Preparation of the various types of schedules, tabulation of information secured, and the proper use of the several kinds of averages (mean, median, mode), of skewness, of correlation and of graphics are among the subjects considered. The course concludes with a practical study of the methods used in social economic investigations and reports by federal and state departments and by private organizations. This course must be accompanied by the course in Graphic Mathematics, described on pages 124 to 125.

Organized Effort for Social Betterment, Dr. Kingsbury.

*Two hours a week during the second semester.*

*(Given in 1915-16 and in each succeeding year.)*

A brief survey of the origin, growth, and present methods of the most important social service and social welfare organizations will be presented in order to acquaint the student with the lines of activity open to social workers; (1) in social education, through settlements, civic centres or other neighborhood organizations; (2) in improvements of industrial conditions, through associations for labor legislation, labor organizations, or consumers' efforts; (3) in vocational counselling, through vocational advising, through placement, or through adjustment of employment; (4) in child welfare, through societies for care and protection of children; (5) in social relief, through organizations for the reduction and prevention of poverty; (6) in social correction, through the probation work in the juvenile courts or corrective institutions; or (7) in social investigation and research.

## Philosophy.

The instruction in this department is under the direction of Dr. Theodore de Leo de Laguna,\* Professor of Philosophy, Dr. Grace Mead Andrus de Laguna,† Associate in Philosophy, Dr. Donald Fisher, Associate in Philosophy, Mr. Albert Edwin Avey, Associate (elect) in Philosophy, Miss Marion Reilly, Dean of the College and Reader in Philosophy, Dr. Emil Carl Wilm, Lecturer in Philosophy, and Dr. Edna Aston Shearer, Reader in English.

The instruction offered in this department covers twenty-and a half hours of lectures a week: it includes a required course of five hours a week for one semester; ten hours a week of undergraduate major and minor work; and eight hours a week of graduate work.

A course in philosophy, five hours a week throughout one semester, and a course in psychology, five hours a week throughout one semester, are required of all candidates for a degree.

The major course in philosophy presupposes as much information as is contained in the required course, and may be elected as a group in combination with the major course in Greek, Latin, English, economics and politics, psychology, mathematics, or physics.

A combination of five hours a week for one year of the minor course in philosophy with five hours a week for one year of the minor course in psychology, making up a course of five hours a week for two years, forms a major course and may be elected as a group in combination with the major course in Greek, English, economics and politics, mathematics, and physics. The minor or major course in philosophy amounting to five hours a week for one year may be elected as an alternative for the second year of required science.

Introduction to Philosophy, Dr. Theodore de Laguna, Dr. Grace de Laguna and Mr. Avey.

*Five hours a week during the first semester.*

*(Given in each year.)*

(The class is divided into three sections and each section assigned to a different instructor in each semester.)

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\* Granted leave of absence for the year 1914-15. The courses offered by Professor Theodore de Laguna are given by Dr. Wilm in 1914-15.

† Granted leave of absence for the year 1914-15. The courses offered by Dr. Grace de Laguna are omitted in 1914-15.

***Required  
Course.***

The course consists of discussions of certain fundamental problems of metaphysics and the theory of knowledge based as far as possible upon recent philosophical literature. Every effort will be made to foster independence and sincerity of thought, rather than to impress upon the students any system of philosophical dogmas.

This course was given in 1914-15 by Dr. Wilm, Dr. Fisher and Dr. Shearer three hours a week throughout the year.

#### FIRST YEAR.

(*Minor Course.*)

##### 1st Semester.

(*Given in each year.*)

### Major Course.

Modern Philosophical Classics and Philosophical Problems, Dr. Theodore de Laguna.

*Five hours a week*

(Open only to students who have taken the required course in philosophy. May be taken as a free elective.)

The course begins with a discussion of selections from the principal writings of Bacon, Hobbes, Locke, Berkeley, Hume, Descartes, Spinoza, and Leibniz. Later the discussions in this course are devoted to problems concerning the nature of the soul, the relation between consciousness and behaviour, and the sources and limits of human knowledge. This course was given in 1914-15 by Dr. Wilm, three hours a week during the first semester and two hours a week during the second semester.

##### 2nd Semester.

Recent Philosophical Theories, Mr. Avey.

*Five hours a week.*

(Open only to students who have taken the required course in philosophy. May be taken as a free elective.)

This course includes a discussion of such doctrines as pragmatism, idealism, neo-realism, etc. This course was given in 1914-15 by Dr. Fisher, three hours a week during the second semester.

#### SECOND YEAR.

##### 1st Semester.

(*Given in each year.*)

History of Philosophy with special emphasis on Plato and Aristotle, Comte, Mill and Spencer, Mr. Avey.

*Five hours a week.*

(Open only to those students who have taken five hours a week for a year of minor philosophy or psychology, including at least two hours a week for a year of philosophy.)

In connection with an outline of the history of philosophy study is made of the two principal Greek systems, based upon the reading (in translation) of selected dialogues and treatises. This course was given in 1914-15 by Dr. Fisher, three hours a week during the first semester.

##### 2nd Semester.

Philosophy in the Nineteenth Century with special emphasis on German Idealism, followed by lectures on Elementary Ethics, Dr. Theodore de Laguna.

*Five hours a week.*

(Open only to those students who have taken five hours a week for a year of minor philosophy or psychology, including at least two hours a week for a year of philosophy.)

The course is introduced by a series of lectures upon the philosophy of Kant. The post-Kantian systems are then considered. This is followed by a critical and historical introduction to ethical science. Selections representative of the various ancient and modern schools are studied, and the semester concludes with a series of lectures upon recent theories of moral evolution. This course was given in 1914-15 by Dr. Wilm, two hours a week during the first semester and three hours a week during the second semester.



*Group: Philosophy with Greek, or with Latin, or with English, or with Economics and Politics, or with Mathematics, or with Physics; Philosophy and Psychology with Greek or with English or with Economics and Politics or with Mathematics or with Physics.*

## GRADUATE COURSES.

Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of philosophy, accompanied by the direction of private reading and original research.

A seminary in ethics, and a seminary in metaphysics and logic are offered each year. The subjects of study are changed from year to year through a cycle of three years. Ten hours a week of advanced undergraduate courses are also open to graduate students. Students electing Philosophy as their major subject for the degree of Doctor of Philosophy may emphasize either metaphysics or ethics. For the list of approved associated and independent minors see the Regulations of the Academic Council. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library.

*Graduate Courses.*

## Ethical Seminary, Dr. Theodore de Laguna.

*Three hours a week throughout the year.*

In 1915-16 Recent French ethics will be the subject of the seminary. Durkheim, Levy-Bruhl, Fouillée, Raub, Belot, and Paulhan.

In 1916-17 English Evolutionary Ethics, as exemplified in the writings of Darwin, Spencer, Clifford, Stephen, Alexander, and Hobhouse, and as criticised by Green, Sorley, Huxley, and Pringle-Pattison will be studied. Special attention is given to the problem of determining the nature and limitations of the genetic method as applied in ethical research.

In 1917-18 Hume and his Contemporaries will be studied. A brief preliminary survey is made of the course of English ethical thought from Hobbes to Shaftesbury. This is followed by a more careful examination of selected writings of Mandeville, Butler, and Hutcheson, with a view to tracing their probable influence upon Hume. Finally, the principal task of the year is a comparative study of the ethical doctrines of Hume's *Treatise on Human Nature* and *Enquiry into the Principles of Morals*, with incidental references to Hartley and Adam Smith.

## Metaphysical Seminary, Dr. Grace de Laguna.

*Two hours a week throughout the year.*

In 1915-16 English empiricism will be the subject of the seminary. Special attention will be paid to its connections with associationism, and to the development of the theory of scientific method.

In 1917-18 Inductive and Genetic logic will be studied. The theories of Sigwart, Wundt, Bradley, Bosanquet, Dewey, and Baldwin are the basis of investigation.

## Metaphysical Seminary, Mr. Avey.

*Two hours a week throughout the year.*

In 1916-17 the Theory of Reality in connection with the philosophy of Royce and its development throughout his chief works will be the subject of the seminary.



## Seminary in Philosophical Systems, Dr. Wilm.

*Three hours a week throughout the year.**(Given in 1914-15.)*

The systems discussed are those of Hegel and Schopenhauer.

## Seminary in Theory of Values, Dr. Fisher.

*Two hours a week throughout the year.**(Given in 1914-15.)*

The concepts of value and valuation, and of their application in recent theories of ethics, aesthetics, and epistemology are studied. Use is made of the writings of Meinong, Urban, Münsterberg, Ehrenfels, Maier, and Rickert.

## Logistic, Mr. Avey.

*One hour a week throughout the year.**(Given in 1915-16.)*

This course includes a study of the more general laws of thought under which the laws of the traditional logic stand as special instances.

Modern Problems in Logic, Miss Reilly. *Two hours a week throughout the year.*

This course is conducted according to seminary method.

Philosophical Journal Club, Dr. Theodore de Laguna, Dr. Grace de Laguna, and Mr. Avey. *Two hours once a fortnight throughout the year.*

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

## Psychology.

The instruction in this department is under the direction of Dr. James H. Leuba,\* Professor of Psychology, Dr. Clarence Errol Ferree, Associate Professor of Experimental Psychology and Director of the Psychological Laboratory, Dr. Kate Gordon, Associate Professor of Education, Dr. Gertrude Rand, Associate in Experimental and Educational Psychology, and Dr. Chester Elijah Kellogg, Lecturer in Psychology.

The instruction offered in this department covers twenty-two and a half hours of lectures a week; it includes a required course of five hours a week for one semester; ten hours a week of undergraduate major and minor work; two hours a week of free elective work and eight hours a week of graduate work.

A course in psychology, five hours a week throughout one semester, and a course in philosophy, five hours a week throughout one semester, are required of all candidates for a degree.

The major course in psychology presupposes as much information as is obtained in the required course and may be elected

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\* Granted leave of absence for the year 1914-15. The courses offered by Professor Leuba are given by Dr. Kellogg in 1914-15.

as a group in combination with the major course in English, economics and politics, philosophy, mathematics, physics, or biology.

A combination of five hours a week for one year of the minor course in psychology with five hours a week for one year of the minor courses in philosophy forms a major course and may be elected as a group in combination with the major course in Greek, English, economics and politics, mathematics, and physics.

The minor or major course in psychology amounting to five hours a week for one year may be elected as an alternative for the second year of required science.

Psychology, Dr. Leuba and Mr. Avey.

*Five hours a week during the second semester.*

*(Given in each year.)*

The text-book used is James's *Briefer Course in Psychology*. In connection with the lectures there are experimental demonstrations. This course was given by Dr. Wilm in 1914-15.

#### FIRST YEAR.

*(Minor Course.)*

##### *1st Semester.*

*(Given in each year.)*

Experimental Psychology, Dr. Ferree and Dr. Rand. *Five hours a week.*

Laboratory work, Dr. Ferree and Dr. Rand. *Four hours a week.*

(Open only to those students who have taken the required course in psychology. May be taken as a free elective.)

The lectures constitute an abbreviated course in systematic psychology in which the historical, critical, and theoretical features of the subjects covered are discussed and the experimental features demonstrated. The laboratory work consists of individual practise in selected topics.

##### *2nd Semester.*

The Psychology of Instinct, Emotion, and the Will, Animal Psychology, Dr. Leuba.\* *Five hours a week.*

(Open only to those students who have taken the required course in psychology. May be taken as a free elective.)

The course in animal psychology does not necessitate a special knowledge of biology, yet it appeals to students of that science since it deals with animal behaviour. Time is spent on an analysis of the methods and mental processes by which animals learn. This part of the course is of special interest to students of education because of the light thrown upon the problems of mental acquisition in man.

**Major  
Course.**

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\* See footnote, page 112.

## SECOND YEAR.

*1st Semester.**(Given in each year.)*

Social Psychology: The Origin and the Nature of Magic, Religion Ethics, Science and Art, Dr. Leuba. *Five hours a week.*

(Open only to those students who have taken the minor course in psychology five hours a week in the second semester. Experimental psychology is not a prerequisite. May be taken as a free elective.)

Psychology has so far been concerned almost exclusively with individuals, human or animal, normal or abnormal. But a crowd, a clique, an industrial trust, do not behave as the individuals composing them would behave if they acted independently. For this reason the study of the laws of social interrelation and of social action has become a separate branch of psychology. The social institutions magic, religion, ethics, science, art, industry, and commerce are the most important forms which social life has assumed in the course of human development.

In 1914-15 a course in applied psychology was given by Dr. Kellogg in place of the course on social psychology.

*2nd Semester.*

Educational Psychology, Dr. Gordon.

*Five hours a week.*

Laboratory work, Dr. Gordon.

*Four hours a week.*

(Open only to those students who have taken the minor course in psychology five hours a week throughout the year. May be taken as a free elective.)

This course is intended not only for prospective teachers but for all students interested in psychology and in education. The problems of psychology which have a direct application to educational practise are considered theoretically and experimentally.

*Group:* Psychology with Philosophy, *or* with Mathematics, *or* with Physics, *or* with Biology, *or* Philosophy and Psychology with Greek, *or* with Latin, *or* with English, *or* with Economics and Politics, *or* with Mathematics, *or* with Physics.

## FREE ELECTIVE COURSE.

***Free  
Elective  
Course.***

Advanced Experimental Psychology, Dr. Ferree.

*Two hours a week throughout the year.**(Given in each year.)*

This course is intended for students who wish to be trained in research work. It is primarily for fourth year students in psychology, but in very special cases by permission of the instructor it may be taken by a student who has taken the minor course in experimental psychology. The instructor will co-operate with the students in the solution of some original problems. A reading knowledge of French and German is required.

## GRADUATE COURSES.

Eight hours a week of seminary work and graduate lectures are offered each year to graduate students of psychology, accompanied by the direction of private reading and original research and the courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates

are admitted to graduate courses or to the seminary library, but the minor and major courses of the department amounting to ten hours a week may be elected by graduate students. The laboratory of experimental psychology is open to graduate students for research work. Students may offer either Social Psychology or Experimental and Systematic Psychology as a major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

Psychological Seminary, Dr. Leuba.\* *Two hours a week throughout the year.*  
(Given in each year.)

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: feeling and emotion; attention, apperception, the will; the psychology of religion and of ethics; language, myths, customs; psychology of the beautiful; psychiatry and criminology; animal and child psychology. In 1914-15 the seminary is conducted by Dr. Kellogg; the subject is mind and body, and this leads up to a discussion of the philosophical status of psychology.

The Psychology and Treatment of Deficient and Unusual Children,  
Dr. Leuba. *Two hours a week throughout the year.*

(Given in 1915-16.)

Seminary in Systematic Psychology, Dr. Ferree.

*Three hours a week throughout the year.*

(Given in each year.)

This seminary is intended, primarily, to give a systematic presentation of the literature of experimental psychology. Due consideration, however, will be given to all points of systematic importance. The work is grouped about the following topics: sensation, the simpler sense complexes, perception and ideas, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.). The course covers three years, but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Psychological Journal Club, Dr. Leuba,\* Dr. Ferree, and Dr. Rand.

*One hour a week throughout the year.*

The advanced students meet with the instructors once a week to hear or read reports on the literature of the subject and on the work done in the laboratory.

Psychological Laboratory Work, Dr. Ferree and Dr. Rand.

The laboratory work consists of individual practise and research.

## Education.

*This school is organized in part from the Phebe Anna Thorne  
Endowment and is connected with the Phebe Anna  
Thorne Model School.*

The instruction in Education is under the direction of Dr. Kate Gordon, Associate Professor of Education, Dr. Matilde Castro, Associate Professor of Education and Director of the

\* See footnote, page 112.



Phebe Anna Thorne Model School, Dr. James H. Leuba, Professor of Psychology, Dr. Clarence Errol Ferree, Associate Professor of Experimental Psychology and Director of the Psychological Laboratory, and Dr. Gertrude Rand, Associate in Experimental Psychology and Educational Psychology.

The work of the School of Education is intended for graduate students only. No undergraduate students will be permitted to take any graduate work in education although graduate students may if they so desire elect undergraduate courses in education and psychology and other subjects. The courses are planned for graduate students who wish to study education for one, two, and three years on the principle that about one-half of the student's time will be given to purely educational courses and the remaining half to courses in the subjects in which she is preparing herself to teach. The degree of Master of Arts in Education is open to graduates of Bryn Mawr College only. Graduates of other colleges will receive diplomas certifying to the work that they have taken in the Graduate School of Education. The degree of Doctor of Philosophy in Education is open to graduates of all colleges of high standing under the general conditions prescribed for the degree of Doctor of Philosophy.

#### *The Phebe Anna Thorne Model School.*

The Phebe Anna Thorne School opened in the autumn of 1913 under the direction of the Bryn Mawr College Graduate School of Education. This school is maintained by an endowment of one hundred and fifty thousand dollars given by the executors of the estate of the late Phebe Anna Thorne to perpetuate her deep interest in school education and her desire to further research in the best methods of teaching school subjects. The Phebe Anna Thorne School is an integral part of the Graduate School of Education and affords its students an opportunity to follow the work of the expert teachers of the model school and discuss in seminars conducted by the professors of education the various problems of teaching and administration as they arise from day to day. Pupils are admitted at ten years of age and will be fitted to enter Bryn

Mawr and other colleges on the completion of a seven years' high school course based on the soundest available theory and practice of teaching to be found in this country or abroad. Wherever a new method of teaching a high school subject is known to have succeeded it will be studied and introduced into the model school and the results on the pupils of different methods of teaching the same subjects will be tested and compared in the psychological laboratories of the college. It is believed that the opportunity thus afforded of studying the newest approved methods of secondary teaching will enable teachers who have studied in the Graduate School of Education to teach more efficiently and to command materially higher salaries.

The instruction offered in education covers sixteen hours of lectures a week; it includes two hours a week of free elective work, and fourteen hours a week of graduate work.

#### FREE ELECTIVE COURSE.

Introduction to Education, Dr. Gordon.

*Two hours a week throughout the year.*

*(Given in each year.)*

The course is designed to give a general survey of the field of pedagogical inquiry. It considers the social and philosophical conceptions which underly school practise and organization; the historical development of these conceptions, the psychological problems which are concerned in school management and methods of teaching and an introduction to the methods of experimental pedagogy.

**Free  
Elective  
Course.**

#### GRADUATE COURSES.

In addition to two seminaries in education, and courses in the study of children and mental tests there are offered in each year observation classes in the Phebe Anna Thorne Model School and courses in systematic, educational, and experimental psychology recommended to students of education. Students electing education as their major subject for the degree of Doctor of Philosophy must elect experimental and systematic psychology as the associated minor. The list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses, but the free elective course of the department amounting to two hours a week may be elected by graduate students.

Seminary in Methods of Teaching, Dr. Gordon.

*Two hours a week throughout the year.*

*(Given in each year.)*

**Graduate  
Courses.**

The subjects dealt with in the seminary include the discussion of the pedagogical principles underlying the teaching of the various school branches, English, history, mathematics, science, etc. Two hours each week of observation of classes in the Phoebe Anna Thorne Model School are required in connection with the seminary.

All students working in the department of education are required to attend this seminary

### Seminary in Educational Problems, Dr. Gordon.

*Two hours a week throughout the year*

*(Given in 1915-16 and in each succeeding year.)*

All students working in the department of education who have completed the seminary in Methods of Teaching or have done equivalent work are expected to attend this seminary. The selection of subjects in this course varies from year to year. For 1915-16 a study of the methods for diagnosing intelligence will be taken up and an opportunity given for the student to assist at the giving of tests on school children. Other topics for study will be: advanced readings in the History of Education, School Hygiene, the principles underlying the curriculum.

### The Psychological Bases of Classroom Technique, Dr. Castro.

*One hour a week throughout the year*

*(Given in 1915-16 and in each succeeding year.)*

The course discusses and illustrates typical class room problems and considers the psychological bases for their control.

All students working in the department of education are required to attend this course.

### The Psychology and Treatment of Deficient and Unusual Children, Dr. Leuba.

*Two hours a week throughout the year.*

*(Given in 1915-16.)*

### Mental Tests, Dr. Rand.

*Two hours a week throughout the year.*

### Laboratory Work, Dr. Rand.

*Four hours a week throughout the year.*

*(Given in each year.)*

This course combines seminary, laboratory drill, and research features. In the seminary work the history, development, and purpose of mental tests will be treated, and a study made of the sensory and higher mental processes. The laboratory drill will consist of training in the application of tests (including the Binet-Simon series), and practise in diagnosing mental ability, using as subjects children from schools in the vicinity of Bryn Mawr and Philadelphia. The research work will consist of special problems in the devising and standardization of tests, and the formulation of methods designed to improve specific mental deficiencies. The course is open only to graduate students who have had training in experimental psychology.

### Special Laboratory Problems in Mental Tests, Dr. Rand.

*Four hours a week throughout the year.*

*(Given in 1915-16 and in each succeeding year.)*

This course is offered in connection with the course in Mental Tests to students who wish to pursue advanced work.

### Seminary in Systematic Psychology, Dr. Ferree.

*Three hours a week throughout the year,*

*(Given in each year.)*

This seminary is intended for graduate students who have already taken a course in experimental psychology and gives a systematic presentation of the literature of experimental psychology. Due consideration, however, is paid to all points of systematic importance. The work is grouped about the following topics: sensation, the simpler sense

complexes, perception and ideas, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.). The course covers three years, but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Observation Classes, Dr. Gordon and Dr. Castro.

*Two hours a week throughout the year.*

Five hours a week counting as a two hour lecture course are spent in the observation of teaching in the Phebe Anna Thorne School and in other schools.

English Enunciation, Mr. King. *One hour once a fortnight throughout the year.*

*(Given in each year.)*

Journal Club in Education, Dr. Gordon, Dr. Castro and Dr. Rand.

*Two hours once a fortnight throughout the year.*

The instructors and students meet to report on and discuss recent reviews and articles and the results of special investigations are presented for comment and criticism.

### Classical Archæology.

The instruction in this department is under the direction of Mr. Rhys Carpenter, Lecturer in Classical Archæology and Dr. Mary Hamilton Swindler, Reader in Latin and Reader and Demonstrator in Classical Archæology.

An archæological seminary of two hours a week and a lecture course of one hour a week throughout the year are offered to graduate students who have done elementary archæological work, and also a journal club meeting one and a half hours a fortnight. In addition individual students will be directed in special work by means of private conferences.

The undergraduate work is divided into courses of three hours a week and two hours a week, affording a complete series of instruction in the various branches of classical archæology. It is recommended that those who elect archæology as a major subject should offer Greek Sculpture, Art and Life in Hellenistic Towns, and Ancient Rome, during their first year, reserving for their second year the courses on Ancient Architecture, Greek Vase-painting, and the Minor Arts.

All the undergraduate courses are fully illustrated with lantern-slides, and photographs are available for review and comparison.

#### FIRST YEAR.

*(Minor Course.)*

Ancient Architecture, Mr. Carpenter. *Three hours a week throughout the year.*

*(Given in 1914-15 and again in 1916-17.)*

**Major  
Course,**



An introductory outline of Egyptian, Cretan, and Mycenaean building is followed by a detailed study of the principles and practice of architecture in Greece and Rome. The course ends with a brief survey of Byzantine, Renaissance, and present-day classical styles. Emphasis is laid on architectural evolution and its connection with the civilization of the times.

The Roman World, Mr. Carpenter. *Two hours a week during the first semester.*

*(Given in 1914-15.)*

The course traces the spread of Roman culture through the ancient world, as illustrated by the existing remains, and deals with the art and daily life of the period. This course and the course on Rome, given in the second semester are specially recommended to students of Latin.

Greek Vase-painting, Dr. Swindler. *Two hours a week during the first semester.*

*(Given in 1914-15.)*

The course illustrates in detail the artistic development of Greek vase decoration and further forms an introduction to the mythology and daily life of ancient Greece.

## SECOND YEAR.

*(Minor Course.)*

*(Given in 1915-16 and in each succeeding year.)*

Greek Sculpture, Mr. Carpenter. *Three hours a week throughout the year.*

A critical study of the rise, perfection, and ultimate developments of sculpture in Greece. The course is intended as a general introduction to the principles and appreciation of sculpture.

Art and Life in Hellenistic Towns, Mr. Carpenter.

*Two hours a week during the first semester.*

A reconstruction, from existing remains, of town and city life in the period between the death of Alexander the Great and the Roman domination.

Greek and Roman Minor Arts, Mr. Carpenter.

*Two hours a week during the second semester.*

*(Given in 1914-15 and in each succeeding year.)*

The course treats of Greek and Roman bronze statuettes, terra-cotta figurines, coins, gems, jewelry, silver-ware, and similar objects, mainly for their artistic and cultural interest. The first six lectures deal with Cretan and Mycenaean art. This course supplements that on Greek vase-painting given in the first semester.

Ancient Painting and Vases, Dr. Swindler.

*Two hours a week during the first semester.*

The course traces the development of ancient painting. It further forms an introduction to the mythology and daily life of Greece, through the study of designs on Greek vases.

Ancient Rome, Dr. Swindler.

*Two hours a week during the second semester.*

*(Given in 1914-15 and in each succeeding year.)*

The course deals with the art and material civilization of Rome through Republican and Imperial times. It is intended both as an archæological background to Latin studies and as an introduction to Roman art, especially sculpture and painting. The course includes a study of Etruscan art and its influence on early Rome.

This course supplements that on Art and Life in Hellenistic Towns given in the first semester.

## GRADUATE COURSES.

**Graduate Courses.**

A seminary in archæology, a lecture course and a journal club in archæology are offered to graduate students in addition to the undergraduate courses which are open also to graduate students. A good reading knowledge of both French and German is indispensable, and familiarity with both Greek and Latin, though not required, is of the utmost value for graduate work in archæology.

Students electing classical archæology as a major subject for the degree of Doctor of Philosophy must have taken the major undergraduate course in Greek and the minor undergraduate course in Latin or courses equivalent to these. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Archæological Seminary, Mr. Carpenter. *Two hours a week throughout the year.*

This course is open only to graduate students who have had some previous training in classical archæology. The order of the subjects may be changed in accordance with the needs of the students.

In 1914-15 fifth century Greek sculpture is the subject of the seminary in the first semester, and fifth century Greek vases in the second semester.

In 1915-16 Greek minor arts (coins, gems, terra-cottas) will be studied in the first semester, and the monuments and topography of Athens and Delphi in the second semester.

In 1916-17 Greek architecture will be studied in the first semester, and Roman architecture in the second semester.

Egean Archæology with emphasis on the recent discoveries in Crete, Dr. Swindler. *One hour a week during the first semester.*

Ancient Painting, Dr. Swindler. *One hour a week during the second semester.*

The work includes a detailed survey of Cretan frescoes, painted plaques, stelæ and sarcophagi, Greek vases of the Polygnotan era, paintings found in Etruscan tombs Pompeian wall decoration, and the mummy portraits from the Fayûm.

Archæological Journal Club, Dr. Swindler and Mr. Carpenter.

*One and a half hours a fortnight throughout the year.*

The graduate students and the instructors meet for the presentation and discussion of topics of current archæological literature.

**History of Art.**

The instruction in this department is under the direction of Miss Georgiana Goddard King, Lecturer and Associate Professor (elect) in the History of Modern Art, and Miss Dorothy Ochtman, Demonstrator in the History of Art.

A seminary in history of art of two hours a week throughout the year and a journal club are offered to graduate students who have done elementary work in history of art.

In addition to the graduate seminary announced, other courses will be provided as need for them arises, and individual students will be directed in special work by means of private conferences.

## FIRST YEAR.

*(Minor Course.)**(Given in each year.)***Major Course.**

Italian Painting of the Renaissance from the Middle of the Thirteenth to the Middle of the Sixteenth Century, Miss King.

*Three hours a week throughout the year.**(May be taken as a free elective.)*

In the first semester the Italian Primitives are studied, chiefly in the schools of Florence, Siena, and Umbria; in the second semester the painters of the High Renaissance, with special attention to those of Venice and the north of Italy. The course is illustrated with photographs and lantern slides.

Gothic Architecture, Miss King.

*Two hours a week throughout the year.**(May be taken as a free elective.)*

The first semester is devoted to Romanesque and pointed architecture in Italy and Germany, with special attention to the introduction of Gothic into Italy by the Cistercians, and the second semester to the development of Gothic in France and Spain with parallels from English ecclesiastical architecture. The course is illustrated with photographs and lantern slides.

## SECOND YEAR.

*(Given in each year.)*

Painting in the Seventeenth and Eighteenth Centuries, Miss King.

*Three hours a week throughout the year.**(May be taken as a free elective.)*

In the first semester the Dutch and Flemish painters are studied, in the second semester the French, Spanish, and English. The course is illustrated with photographs and lantern slides.

Renaissance Sculpture, Miss King.

*Two hours a week throughout the year.**(May be taken as a free elective.)*

The first semester is devoted to the sculpture of the Italian Renaissance, the second chiefly to Northern art, and in especial to figure sculpture in France from the building of the Cathedrals to the close of the Renaissance. The great sculptors of Germany and Spain will be studied carefully in conclusion. The course is illustrated with photographs and lantern slides.

## GRADUATE COURSES.

**Graduate Courses.**

Two hours a week of seminary work are offered each year to graduate students of history of art accompanied by the direction of private reading and original research, and the courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the minor and major courses of the department amounting to ten hours a week may be elected by graduate students.

Seminary in Modern Painting, Miss King.

*Two hours a week throughout the year.*

In addition to working with books and photographs the students will be required to make short day-trips to study pictures.

In 1914-15 the subject of the seminary is the Spanish primitives.

In 1915-16 the sources of Spanish architecture from the 12th to the 15th century will be studied.

In 1916-17 the subject will be Spanish painting after 1500. Special problems will be assigned for investigation and report.

Journal Club in Modern Painting, Miss King.

*Two hours once a fortnight throughout the year.*

### Mathematics.

The instruction in this department is under the direction of Dr. Charlotte Angas Scott, Professor of Mathematics, and Dr. James Ryals Conner, Associate Professor of Mathematics. The instruction offered in mathematics covers twenty-three and a half hours of lectures and recitations a week, in addition to the time devoted to the seminary work in the graduate department; it includes ten hours a week of undergraduate minor and major work, five hours a week of free elective work, four hours a week of post-major work open only to graduates and to undergraduates who have completed the major course in mathematics, and four and a half hours a week of graduate work.

In the major course the students are able to gain a fair knowledge of the principal subjects belonging to the department of pure mathematics. The points of contact of mathematics with other branches of mental and physical science are indicated as far as possible throughout the course, special attention being paid to the nature of mathematical reasoning, and to the true relation and mutual dependence of mathematics and physics. The course of lectures on the history of mathematics in the second year is intended to give an outline of the development of the subject from its beginning to 1700 A.D.

The two hours course in trigonometry included in the first semester of the minor course in mathematics may be taken separately as a free elective or may be counted as a part of the year of mathematics which may be taken as an alternative for the second year of required science. It is required for admission to the major course in physics. An examination for advanced standing may be taken by those who do not wish to attend the course and yet wish to elect the minor course in mathematics or the major course in physics.

***Preparatory Course.***



## FIRST YEAR.

*(Minor Course.)**1st Semester.**(Given in each year.)*

Analytical Conics, Dr. Scott.

*Three hours a week.*

Trigonometry, including Series, Dr. Scott.

*Two hours a week.*

The course in trigonometry may be taken separately as a free elective. The course in analytical conics may be taken separately by those students only who have passed the examination for advanced standing in trigonometry.

*2nd Semester.*

Elementary Differential and Integral Calculus, Dr. Conner.

*Three hours a week.*

Algebra and Theory of Equations, Dr. Conner.

*Two hours a week.*

The three hour and two hour courses in this semester may not be elected separately.

## SECOND YEAR.

*1st Semester.**(Given in each year.)*

Differential and Integral Calculus and Differential Equations, Dr. Conner.

*Three hours a week.*

Theory of Equations, Determinants, Dr. Conner.

*Two hours a week.**2nd Semester.*

Curve Tracing, History of Mathematics, Dr. Scott.

*Three hours a week.*

Analytical Geometry of two and three Dimensions, Dr. Scott.

*Two hours a week.*

The three hour and two hour courses in each semester may not be elected separately.

*Group:* Mathematics with Greek, *or* with Latin, *or* with Philosophy, *or* with Psychology, *or* with Philosophy and Psychology, *or* with Physics, *or* with Chemistry, *or* with Geology, *or* with Biology.

## FREE ELECTIVE COURSES.

***Free  
Elective  
Courses.***

Fundamental Theorems of Algebra and Geometry, Dr. Scott.

*One hour a week throughout the year.**(Given in 1914-15 and again in 1916-17.)*

Certain standard problems of historical interest are considered in order to elucidate some of the fundamental principles of mathematics. Either semester may be taken separately. No knowledge of mathematics beyond the requirements for matriculation is presupposed. It is hoped that the work will prove useful not only to students electing mathematics as a major, but also to those intending to teach elementary mathematics. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

Graphic Mathematics, Dr. Scott.

*One hour a week throughout the year.**(Given in 1915-16 and again in 1917-18.)*

The course deals with statistical work, probability, and theory of errors. It is recommended to students of economics as well as to students of physics. No knowledge of mathematics beyond the requirements for matriculation is presupposed. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

Mathematics Preparatory to Science. *Two hours a week throughout the year.*

*(Given in each year when the time of the department permits.)*

This course deals chiefly with parts of the differential and integral calculus, trigonometry, analytical geometry, and differential equations. Some problems in probability are also considered. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

Descriptive Astronomy, Dr. Conner. *Two hours a week throughout the year.*

*(Given in each year.)*

The subject is treated from an elementary point of view. Such mathematics as seems desirable is developed in the lectures. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

#### POST-MAJOR COURSES.

The post-major courses in mathematics are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to mathematical studies differs in different colleges, graduate students frequently find it advisable to elect some of these courses. Regular written work is expected from all mathematical students, and a reading knowledge of French and German is presupposed.

The post-major courses in any one year amount to four hours a week. The courses given are the following, with occasional modifications.

I. (a.) Lectures introductory to Modern Analytical Geometry, in connection with Salmon's *Conic Sections* and Scott's *Modern Analytical Geometry*.

or I. (b.) Lectures on Modern Pure Geometry.

or I. (c.) Lectures on Special Topics in Geometry, such as Homogeneous Coordinates, Circular Coordinates, Families of Curves, certain Transcendental Curves, Geometrical Transformations, etc.

Special permission to take the course I (c) before completing the two years of the major course may be granted to students whose work in the major course has shown that they are able to profit by the lectures.

II. (a.) Lectures Introductory to Modern Algebra, in connection with Salmon's *Modern Higher Algebra*, and Elliott's *Algebra of Quantics*.

or II. (b.) Lectures preparatory to the Theory of Functions, in connection with Harkness and Morley's *Introduction to the Theory of Analytic Functions* and Chrystal's *Algebra*, Vol. II.

or II. (c.) Lectures on Differential Equations, ordinary and partial.

**Post-  
Major  
Courses.**

or II. (d.) A general course in Analysis, dealing with the higher development of subjects only touched upon in the major course, such as Determinants, Fourier's Series, Infinite Series, Definite Integrals, etc.

or II. (e.) Elementary Theory of Numbers.

In 1914-15 the following post-major courses are offered:

- |                      |  |
|----------------------|--|
| I. (c.) Dr. Scott.   | <i>Two hours a week throughout the year.</i> |
| II. (e.) Dr. Conner. | <i>Two hours a week throughout the year.</i> |

In 1915-16 the following post-major courses are offered:

- |                      |  |
|----------------------|--|
| I. (a.) Dr. Scott.   | <i>Two hours a week throughout the year.</i> |
| II. (d.) Dr. Conner. | <i>Two hours a week throughout the year.</i> |

In 1916-17 the following post-major courses are offered:

- |                      |  |
|----------------------|--|
| I. (b.) Dr. Scott.   | <i>Two hours a week throughout the year.</i> |
| II. (d.) Dr. Conner. | <i>Two hours a week throughout the year.</i> |

#### GRADUATE COURSES.

#### **Graduate Courses.**

Four and a half hours a week of seminary work and graduate lectures are offered each year to graduate students of mathematics accompanied by the direction of private reading and original research. The courses vary from year to year so that they may be pursued by candidates for the degree of Doctor of Philosophy for three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to four hours a week may be elected by graduate students. Students who elect mathematics as a major subject for the degree of Doctor of Philosophy are required to elect mathematics also as an associated minor. The list of approved independent minors will be found in the Regulations of the Academic Council.

The Topology of Algebraic Curves, Dr. Scott.

*Two hours a week throughout the year.*

(Given in 1914-15.)

This course deals with the visible properties of plane algebraic curves, the number, nature and relation of the real components of singularities; the number, nature and arrangement of the distinct circuits; and with the theory of knots.

General Theory of Plane Algebraic Curves, Dr. Scott.

*Two hours a week throughout the year.*

(Given in 1915-16.)

No knowledge of the systematic theory is presupposed, beyond what is contained in the customary work in analytical geometry. The lectures take up Plücker's equations, the analysis of higher singularities, the theory of the intersections of curves, with some discussion of systems of curves and geometry on a curve. Attention is paid to special configurations that present themselves in connection with cubic and quartic curves.

Geometrical Transformations, Dr. Scott. *Two hours a week throughout the year.*

*(Given in 1916-17.)*

During the first semester the work deals with Cremona transformations in a plane; the more general theory of geometrical transformations is taken up during the second semester.

Differential Geometry, Dr. Conner. *Two hours a week throughout the year.*

*(Given in 1914-15.)*

An account of the classical theory of the infinitesimal properties of curves and surfaces will first be given. The modern development of the subject will then be studied and special attention will be paid to metrical notions.

Calculus of Variations, Dr. Conner. *Two hours a week throughout the year.*

*(Given in 1915-16.)*

The foundations of the subject will be laid with careful attention to mathematical rigour. Numerous problems chosen from a wide range of subjects will be proposed and investigated.

Theory of Algebraic Numbers, Dr. Conner.

*Two hours a week throughout the year.*

*(Given in 1916-17.)*

A short account of rational integers is given; afterwards the subject of integers in a general algebraic realm is taken up, special attention being given to quadratic realms.

Mathematical Journal Club, Dr. Scott and Dr. Conner.

*One hour a fortnight throughout the year.*

The journal club holds fortnightly meetings at which reports on special topics or memoirs are presented by the instructors and the graduate students.

## SCIENCE.

### Physics, Chemistry, Geology, Biology.

Professors and instructors: Dr. Florence Bascom,\* Dr. William B. Huff, Dr. David Hilt Tennent, Dr. James Barnes,† Dr. Frederick Hutton Getman, Dr. Thomas Clachar Brown, Dr. Roger Frederick Brunel, Dr. Alfred Russell Moore, Dr. Janet Tucker Howell, Dr. Benjamin Franklin Wallis (elect), Dr. Julia Peachy Harrison, Miss Mary Edith Pinney, and Miss Helen Turnbull Gilroy.

In January, 1893, the Trustees opened Dalton Hall, a large building, containing ample laboratories, lecture-rooms, research-rooms, special libraries, and professors' rooms for the work of the scientific departments. The chemical, geological, biological, and physical laboratories and the laboratory for experimental psychology are open for students from nine to six daily.

The attention of graduates of medical colleges and of undergraduate and graduate students intending to take the degree of

\* Granted leave of absence for the year 1915-16.

† Granted leave of absence for the year 1914-15.



Doctor of Medicine is called to the facilities offered by the laboratories, and to the resolutions of the Trustees of the Johns Hopkins University in regard to the admission of students to the Medical School of that University, which opened in the autumn of 1893, and has from the first admitted women on the same terms as men. The courses of Bryn Mawr College in physics, chemistry, and biology correspond to those of the Johns Hopkins University,\* and it is easy for a student to elect a course corresponding exactly to the Preliminary Medical Course of the Johns Hopkins University. Students planning to begin the study of medicine should elect physics for one year and biology and chemistry for two years.

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\* REQUIREMENTS FOR ADMISSION TO THE MEDICAL DEPARTMENT OF THE JOHNS HOPKINS UNIVERSITY.

"As candidates for the degree of Doctor of Medicine the school receives:

1. Those who have satisfactorily completed the Chemical-Biological Course which leads to the A.B. degree in this University. (Group V.)

2. Graduates of approved Colleges or Scientific Schools who can furnish evidence: (a) That they have acquaintance with Latin and a reading knowledge of French and German; (b) That they have such knowledge of biology, chemistry and physics as may be obtained by a year's course in these subjects when accompanied by laboratory work.†

3. Those who give evidence by examination that they possess the general education implied by a degree in arts or in science from an approved college or scientific school and the knowledge of French, German, Latin, Physics, Chemistry, and Biology above indicated."

† BIOLOGY.—In addition to the usual class work, the instruction must include a year's laboratory course of six hours or more a week upon the structure, functions and life-histories of selected types of animal and plant life. Courses in botany or zoology will be accepted provided the laboratory work has been adequate. It is desirable that the course should include laboratory instruction in embryology.

CHEMISTRY.—The minimum requirement is a one year course, including five hours of laboratory work a week throughout the year, covering the outlines of inorganic chemistry and the elements of organic chemistry, somewhat as presented in Remsen's "Introduction to the Study of Chemistry." Students will be required to present evidence that in addition to these requirements they have had an elementary course in organic chemistry, including at least 25 to 30 lectures and 90 to 100 hours of laboratory work.

PHYSICS.—A collegiate course for at least one year is required. This must include four hours a week of class-room work and at least three hours a week of *quantitative* work in the laboratory. Special attention should be given to theoretical mechanics and to mechanical and electrical experiments.

LATIN.—The student should have studied Latin grammar and should possess at least such knowledge of the language as may be acquired by reading four books of Caesar or their equivalent.

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Similar requirements are made for admission to the Medical College of Cornell University.

The Woman's Medical College of Pennsylvania admits students of Bryn Mawr College who have pursued the chemical-biological course that leads to the A.B. or the Ph.D. degree to advanced standing in the corresponding branches of the college curriculum on presentation of evidence of work equivalent to that done in the Medical School and on passing the required examinations in these branches. The Woman's Medical College presented to Bryn Mawr College in 1910 a scholarship to be awarded to a graduate of the college giving free tuition and renewable for the four years of the college course.

## Physics.

The instruction in this department is under the direction of Dr. William B. Huff, Professor of Physics, Dr. James Barnes,\* Associate Professor of Physics, Dr. Janet Tucker Howell, Lecturer in Physics, and Miss Helen Turnbull Gilroy, Demonstrator in Physics. The instruction offered in physics covers eighteen hours of lectures a week; it includes ten hours a week of undergraduate minor and major work, one or two hours a week of free elective work, three hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in physics; and four hours a week of graduate lectures and seminary work.

The first year of the major course deals principally with the development of physical facts and is accordingly mainly experimental and descriptive in its nature. A wide range of physical phenomena and the elements of physical theories are treated. The course is planned to cover the whole subject from this point of view so as to give those who do not intend to pursue physics further, such a knowledge of its principles as will enable them to follow its recent development and applications, and also to provide those electing physics as a group with a good foundation for more advanced work. No knowledge of physics is presupposed. In the second year the course is intended to serve as an introduction to the theories to which experimental evidence has led. The treatment is accordingly more mathematical than in the first year, but the experimental side of the subject is still emphasised. A knowledge of trigonometry is required, and some familiarity with the methods of the calculus will be of assistance.

### FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Mechanics, Heat, Sound, and Properties of Matter, Dr. Huff.

*Three hours a week.*

Laboratory Work, Dr. Huff and Miss Gilroy.

*Six hours a week.*

**Major  
Course.**

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\* Granted leave of absence for the year 1914-15. The courses offered by Dr. Barnes are given in 1914-15 by Dr. Howell.

*2nd Semester.*

Electricity, Magnetism, and Light, Dr. Barnes.\*

*Three hours a week.*

Laboratory Work, Dr. Barnes\* and Miss Gilroy.

*Six hours a week*

The instruction in this course is given by means of lectures, daily oral quizzes, occasional written quizzes, regular problem papers, and required private reading. Students are expected to use, in connection with the lectures, text-books on the special part of the subject under discussion; at present Crew's *General Physics* is used for reference; also the text-books of Ames and Glazebrook. The lectures are illustrated throughout by means of the lantern, by demonstrations on the lecture table, and by the exhibition of apparatus, etc.

In the laboratory, the students are first instructed in the methods of accurate measurement of the simple quantities, length, time, and mass; later, they make a series of determinations, mainly quantitative, on the part of the subject under discussion in the lecture room at the time. Ames and Bliss's *Manual of Experiments in Physics* is found useful as a reference work for part of this course. A system of laboratory lectures has also been developed to supplement the class-room work, to point out sources of error and their treatment, to demonstrate methods of manipulation, and, in general, to give directions for working which are applicable to the class as a whole; they are given at the beginning of each week's laboratory work. The object of the work is to familiarise the students with the instruments and methods used in physical measurements, with special reference to the quantitative laws upon which the science is based. The laboratory is equipped with this object in view, and the apparatus is all of the most modern design.

## SECOND YEAR.

*1st Semester.**(Given in each year.)*

Theoretical Mechanics, Theory of Light, Dr. Barnes.

*Three hours a week*

Laboratory Work, Dr. Barnes\* and Miss Gilroy.

*Six hours a week.**2nd Semester.*

Theory of Heat, Theory of Electricity and Magnetism, Dr. Huff.

*Three hours a week.*

Laboratory Work, Dr. Huff and Miss Gilroy.

*Six hours a week.*

The instruction is given by lectures, supplemented by the discussion of weekly problem papers; the text-books mentioned below indicate the character of the ground covered, and form the basis of the lectures. Private reading and outside preparation will take at least three and a half hours a week, and the course counts as a five-hour lecture course. An endeavour is made to bring the students into contact with the work of original investigators.

The general text-book used is Watson, *Physics*; the books used in special subjects are as follows: heat: Maxwell, *Theory of Heat*, Preston, *Theory of Heat*; dynamics: selections from Tait and Steele's *Dynamics of a Particle*, Jeans's *Theoretical Mechanics*; and special lectures dealing with the applications of dynamics to physical problems; electricity and magnetism: J. J. Thomson, *Elements of the Mathematical Theory of Electricity and Magnetism*; optics, physical and geometrical: Preston, *Theory of Light*, Edser, *Light*.

The laboratory work of the second year is designed to follow and illustrate the subject-matter of the lectures. The student is taught the use of accurate instruments and the methods of physical investigation. A special study is made of the sources and amounts of the errors involved in the different operations, and the problems assigned are adapted as far as possible to the requirements and wishes of the individual students.

*Group:* Physics with Philosophy, or with Mathematics, or with Chemistry, or with Geology, or with Biology.

\* See footnote, page 129.



## FREE ELECTIVE COURSES.

Physical Basis of Music, Dr. Huff.

*One hour a week throughout the year.**(Given in 1914-15.)****Free  
Elective  
Courses.***

In the lectures of this course it is planned to present some of the physical principles illustrated in the construction of musical instruments and underlying the general theory of music. Private reading is assigned.

Historical Development of Physics, Dr. Huff.

*One hour a week throughout the year.**(Given in 1915-16 and again in 1917-18.)*

The work of this course consists of lectures, required reading, and class-room discussions. The lectures give an elementary presentation of some of the more important ideas and results of physics. The reading is intended to supplement the lectures and to provide additional material for general discussion. The course is open to students who have had a minor course in science or its equivalent.

Astrophysics, Dr. Barnes.

*Two hours a week throughout the year.**(Given in 1915-16 and again in 1917-18.)*

This course consists of lectures on the application of physical principles and methods to the study of the composition, structure, and motions of the heavenly bodies. Clarke's *Problems in Astrophysics*, Darwin's *The Tides*, and selected chapters in Moulton's *Celestial Mechanics* will be read and discussed. The course is open to students who have taken the minor course in physics or the minor course in mathematics or courses equivalent to these.

## POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. A knowledge of differential and integral calculus is required. These lectures deal not only with the theoretical development of the subject, but great stress is laid on the important experimental work which has been done in it, and methods and results are criticised and opportunities for further investigation pointed out. The object of the courses is to prepare students to undertake independent work. The laboratory work is planned with this object in view and is arranged to meet the special needs of each individual student. Graduate students may be permitted to take the lectures without the laboratory work. In addition to the laboratory work which accompanies the lectures a student may take extra laboratory work sufficient to make the courses equivalent to five hours a week.

***Post-  
Major  
Courses.***

Spectroscopy, Dr. Howell.

*Three hours a week throughout the year.**(Given in 1914-15.)*

The course begins with a complete discussion of the apparatus used in this subject; the results of past and present investigations are then considered, and problems for investigation are pointed out. The many important applications of spectroscopy to astronomy are not neglected. The standard book of reference is Kayser's *Handbuch der Spectroscopie*. Detailed reports of laboratory investigations are required.



Electricity and Magnetism, Dr. Huff. *Three hours a week throughout the year.*

(Given in 1915-16.)

The lectures of this course treat typical mathematical and experimental problems chosen from the various parts of the entire subject. A large number of problems on potential and attraction are assigned.

General Optics, Dr. Barnes. *Three hours a week throughout the year.*

(Given in 1916-17.)

These lectures give a general discussion of the theories advanced to explain many phenomena in light. Students are required to have a good knowledge of elementary optics and to be sufficiently familiar with optical apparatus to undertake a detailed study of some special problem.

Properties of Matter, Dr. Huff. *Three hours a week during the first semester.*

(Given in 1917-18.)

The lectures cover the general subject of the properties of matter studied from the point of view of the Molecular Theory. The different theories of matter are discussed and an account of recent investigations concerning the relations of matter and electricity is given. Poynting and Thomson's *Properties of Matter* is read in connection with the course.

Theory of Sound, Dr. Huff. *Three hours a week during the second semester.*

(Given in 1917-18.)

The lectures form an introduction to the theory of modes of vibration of pipes, strings, and rods. The theory of music and of musical instruments is then studied. Poynting and Thomson's *Sound* is used during the earlier part of the course, and frequent references are made to Helmholtz and Rayleigh.

#### GRADUATE COURSES.

#### **Graduate Courses.**

The graduate courses consist of lectures, laboratory work, and original research under the direction of the instructors, the lecture courses varying from year to year so that they may be pursued by students through consecutive years. A good working library containing the current and bound numbers of all the important physical journals is kept in the laboratory. Students electing physics as their major subject for the degree of Doctor of Philosophy may elect it also as the associated minor, provided either mathematics or applied mathematics is taken as the independent minor; or mathematics or applied mathematics may be taken as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Radioactivity and Discharge of Electricity through Gases, Dr. Huff.

*Three hours a week during the first semester.*

(Given in 1914-15.)

The earlier lectures treat of the effect of fields on the path of a moving charged particle. A discussion of typical experimental methods of measuring velocity and the ratio of charge to the mass follows. After a study of the phenomena of electrical discharge and of radioactivity a brief account of theories is given.

## Electron Theory, Dr. Huff.

*Three hours a week during the second semester.**(Given in 1914-15.)*

The mathematical development of the subject is presented in the lectures, with special reference to experimental tests of theory.

## Physical Optics, Dr. Barnes.

*Three hours a week throughout the year.**(Given in 1915-16.)*

This course gives a general mathematical discussion of physical optics. Students are expected to give detailed reports on the methods and results of investigations which illustrate the theory. When it seems desirable two and a half hours of experimental work will be substituted for one hour of the lecture course.

## Mathematical Theory of Electricity and Magnetism, Dr. Huff.

*Three hours a week throughout the year.**(Given in 1916-17.)*

The lectures are based on Maxwell's standard work, and include a general account of the later development of the theory.

## Thermo-dynamics and Radiation, Dr. Barnes.

*Three hours a week throughout the year.**(Given in 1917-18.)*

The modern developments of thermo-dynamics and radiation are considered. Attention is paid to the application of the laws of thermo-dynamics in physical chemistry.

## Physical Journal Club, Dr. Huff and Dr. Barnes.

*One hour a week throughout the year.**(Given in each year.)*

The advanced students and the instructors meet to hear reports and discuss recent scientific articles.

## Laboratory Work, Dr. Huff and Dr. Barnes.

The laboratory work is arranged for the purpose of familiarising the student with methods of research; the student begins by repeating methods and investigations of well-known experimenters, with any modifications that may be suggested, passing on to points of investigation left untouched by previous experimenters, and finally to the study of new methods and the prosecution of original research. Students taking physics as their chief subject for the degree of Doctor of Philosophy are expected to spend all the time possible in work in the laboratory. The laboratory is provided with special rooms for magnetic, optical and electrical work, and in the basement is a constant-temperature vault designed for accurate comparison of lengths, etc. The stock of apparatus is being added to yearly. A well-equipped shop and trained mechanics make it possible to construct special forms of apparatus designed for research.

## Chemistry.

The instruction in this department is under the direction of Dr. Roger Frederick Brunel, Associate Professor of Chemistry, Dr. Frederick Hutton Getman, Associate Professor of Chemistry, and Dr. Julia Peachy Harrison, Reader in Inorganic Chemistry and Demonstrator in Chemistry. The instruction offered in chemistry covers twenty-one hours of lectures a

week; it includes ten hours a week of undergraduate major and minor work, five hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in chemistry, and six hours a week of graduate work.

The first year's work, or minor course, is a general introduction to the subject. Lectures are given in both inorganic and organic chemistry, making an elementary course that is complete in itself.

In the second year particular attention is paid to the quantitative side of chemical phenomena. The lectures are mainly on theoretical and organic chemistry.

The post-major courses are intended to prepare students for independent work, particular attention being paid to laboratory methods.

#### FIRST YEAR.

(Minor Course.)

##### 1st Semester.

(Given in each year.)

#### **Major Course.**

Introduction to General Chemistry, Dr. Brunel.

Three hours a week.

Laboratory Work, Dr. Brunel and Dr. Harrison.

Six hours a week.

The course does not presuppose any knowledge of chemistry. In the class-room the nature of chemical action is taught by lectures that are illustrated by a series of experiments in which the more important substances are made and transformed, the time being spent largely on the non-metals. Throughout the semester the lectures and the laboratory work are complementary. After all the experiments on a given subject have been made the results are discussed in the class-room.

##### 2nd Semester.

The Chemistry of the Metals, Dr. Harrison.

Three hours a week.

Laboratory Work, Dr. Harrison.

Six hours a week.

This course deals with the properties of the more important metallic elements and their compounds. The methods of separation employed in the laboratory are discussed, and the fundamental principles upon which these methods of separation are based are emphasised. The lectures are supplemented by required private reading.

The laboratory work consists of qualitative analyses. The students are first taught to identify the acids and bases in simple salts; later, they are required to carry out complete analyses of minerals and metallurgical products.

#### SECOND YEAR.

##### 1st Semester.

(Given in each year.)

Lectures on Elementary Theoretical Chemistry, Dr. Getman.

Three hours a week.

In this course chemical facts are considered from the point of view of common and exact relations and from these relations the laws and theories of chemistry are developed. Spe-

cial attention is paid to the atomic theory, the laws of gases, the theory of solutions and simple equilibria. Private reading and outside preparation amounting to at least three and a half hours a week is required.

**Laboratory Work, Dr. Getman.**

*Six hours a week.*

The laboratory work consists of quantitative analyses. Each exercise is important in itself and illustrates some principle or involves some manipulation of general application in analytical work.

*2nd Semester.*

**Organic Chemistry, Dr. Brunel.**

*Three hours a week.*

The methods of preparation and the behaviour of the various classes of organic compounds are studied. Particular emphasis is laid on the relation between the arrangement of atoms within the molecule and the behaviour of the compounds, and on the processes of reasoning by which the constitution of organic compounds is established.

**Laboratory Work, Dr. Brunel and Dr. Harrison.**

*Seven hours a week.*

The laboratory work is devoted to organic preparations. Simple representatives of the more important classes of organic compounds are first prepared and their typical reactions studied. After a familiarity with the methods of dealing with organic substances has been gained, syntheses of a few of the more complex organic compounds are carried out.

*Group: Chemistry with Mathematics, or with Physics, or with Geology, or with Biology.*

POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

**Post-Major Courses.**

**Organic Chemistry, Dr. Brunel.**

*Two hours a week throughout the year.*

*(Given in each year.)*

The course consists of lectures, assigned reading with occasional reports, and laboratory. It is intended to broaden the student's acquaintance with the subject and to serve as an introduction to the study of present day chemical problems.

At least four hours of laboratory work a week will be required, three hours' credit being given for the course. The laboratory work will consist of the preparation of compounds, organic analysis, and study of the methods for determining the constitution of organic compounds.

**Physical Chemistry, Dr. Getman.**

*Two hours a week throughout the year.*

*(Given in each year.)*

The aim of the lectures is to extend the student's knowledge of theoretical and physical chemistry and to lay a foundation for independent work in this subjects. The lectures are intended to give a general outline of the subject, the following topics being discussed: fundamental theories of chemistry; the periodic classification; the corpuscular theory of matter; the laws of gases, liquids and solids; osmotic pressure and dilute solutions; colloidal solutions; thermochemistry; homogeneous and heterogeneous equilibria; chemical kinetics; electrochemistry; actinochemistry and radiochemistry. The solution of a large number of problems will be required.

The laboratory work amounting to four and a half hours a week is designed to prepare the student for physico-chemical research.



## Inorganic Chemistry, Dr. Getman.

*One hour a week throughout the year**(Given in each year.)*

Selected topics in inorganic chemistry are discussed in detail, and parallel reading is required. In the laboratory work of four and a half hour a week advanced quantitative analyses are included.

## GRADUATE COURSES.

**Graduate Courses.**

The advanced courses in chemistry consist of lectures upon inorganic, organic, and physical chemistry, seminary work, reports upon current chemical literature, and laboratory exercises. In the laboratory work the students are required to become familiar with the literature bearing upon the subjects they are studying, and it is therefore necessary for them to have a reading knowledge of French and German.

The lecture courses are varied from year to year to meet the requirements of students and to form a consecutive course for those who wish to make chemistry the major subject in the examination for the degree of Doctor of Philosophy. Such students may specialise either in organic chemistry under the direction of Dr. Brunel, or in physical chemistry under the direction of Dr. Getman, but students who elect organic chemistry as the major subject of examination must take physical chemistry as the associated minor, and students who elect physical chemistry as the major subject, must take organic chemistry as the associated minor.

No undergraduates are admitted to graduate courses.

## Chemical Seminary, Organic Chemistry, Dr. Brunel.

*One hour a week throughout the year.**(Given in each year.)*

This is intended primarily for students who are carrying on research in organic chemistry, and will consist of reports on assigned topics which will usually be related to the research in which the student is engaged.

## Chemical Seminary, Inorganic Chemistry, Dr. Getman.

*One hour a week throughout the year**(Given in each year.)*

The course consists of lectures, required reading, and reports on various topics. The needs of the individual students are considered in selecting the subjects for discussion.

## Physical Chemistry, Dr. Getman.

*Two hours a week throughout the year.**(Given in each year.)*

In the lectures no attempt is made to give a general survey of the subject, but certain selected portions of the science are treated in detail and the student is made familiar with problems of current interest.

## Advanced Organic Chemistry, Dr. Brunel.

*One hour a week throughout the year.**(Given in each year.)*

Lectures, reading, and occasional reports covering the historical developments and present status of subjects of current interest. In the year 1915-16 the topics taken up will be Tautomerism; the Mechanism of Chemical Reactions; the Alkaloids.

Students counting this course as the equivalent of a seminary to make up a graduate minor will be required to carry on laboratory work, sufficient to make the work of the course occupy sixteen hours a week. The nature of this work depends so largely on the past training of the student that no definite statement can be made regarding it. A sufficiently advanced student may be assigned a problem.

Chemical Journal Club, Dr. Brunel, Dr. Getman, and Dr. Harrison.

*One hour a week throughout the year.*

The advanced students and the instructors meet to hear reports and discuss recent scientific articles.

## Geology.

The instruction in this department is under the direction of Dr. Florence Bascom,\* Professor of Geology, Dr. Thomas Clachar Brown, Associate in Geology, and Dr. Benjamin Franklin Wallis, Lecturer (elect) in Geology.

The instruction offered in geology covers twenty hours of lectures a week; it includes the equivalent of ten hours a week of undergraduate major and minor work, two free elective courses of one and two hours a week, four post-major courses of two and three hours a week open only to graduates and to undergraduates that have completed the major course in geology, and two graduate seminars of three hours a week but all these courses will not be given in the same year.

The first year of the major course in geology is arranged to give a general survey of two divisions of the science and at the same time to introduce the student to the larger field of geology. It may be taken as a free elective or as a year of required science or as the first year of the group course in geology. The purpose of the course is to make clear to the student the present constitution, form, and evolution of the earth's crust, to promote keen and accurate observation of natural phenomena, and to give some insight into the nature of geological problems.

The second year of the major course deals with the rocks and minerals of the earth's crust, and also affords training in structural geology.

Post-major courses in petrography, mineralogy, and palæontology are offered in each year, and are designed to train the student in petrographic methods for the exact determination of rock species and rock families and in the principles of inverte-

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\* Granted leave of absence for the year 1915-16. The courses offered by Dr. Bascom in 1915-16 will be given by Dr. Wallis.

brate and vertebrate paleontology. They are an essential preliminary to research work in the science.

Excellent illustrative material for the graduate and undergraduate courses is furnished by the geological and paleontological collections of the college, including the Theodore D. Rand rock and mineral collection, which alone contains over 20,000 specimens, by the private collections of the instructors, and by material lent by the United States Geological Survey. The department is also fortunate in its proximity to the museum of the Academy of Natural Sciences of Philadelphia. Within easy reach of the college are good collecting fields for fossil, mineral, and rock specimens.

#### FIRST YEAR.

(Minor Course.)

#### 1st Semester.

(Given in each year.)

#### Major Course.

Physiography, Dr. Bascom.

Three hours a week.

Field Work and Laboratory Work, Dr. Bascom.

Six hours a week.

The lectures deal primarily with the character and action of the forces which control the landscape and with the features produced by these forces; subordinately physiographic regions are discussed. The lectures are illustrated by photographs, lantern slides, geographical relief models, and maps. No text-book is used, but standard manuals are accessible for reference.

In the laboratory the student is occupied with a study of the development of physiographic forms. This is conducted with the use of Davis' *Atlas for Practical Exercises in Physical Geography* assisted by models, photographs, topographic maps, and natural illustrations.

For the field work, excursions are made into the immediate neighborhood on Mondays from 2 to 4 p. m. during the autumn and spring. On all excursions instruction in field geology is given, areal mapping is accomplished, and reports of the areas covered are required of the students. Reading amounting to three hours will be required of students absent from a field trip. During the winter months laboratory work replaces the field excursions.

#### 2nd Semester.

Introduction to Historical Geology, Dr. T. C. Brown. Three hours a week.

Field Work and Laboratory Work, Dr. T. C. Brown. Six hours a week.

The lectures deal with the evolution of continents and of life, and with the distribution and character of the various rock formations. Special attention is given to the development of life and to the theory of evolution.

In the laboratory the student becomes familiar with the typical flora and fauna of the successive geologic formations and with the development of the more important classes. The field work involves excursions to fossiliferous localities in the paleozoic formations of Pennsylvania, and to the mesozoic and cenozoic formations of New Jersey. During the winter months and when the weather is unsuitable laboratory work is substituted for the field work.

## SECOND YEAR.

*1st Semester.**(Given in each year.)*

Megascopic Petrology, Dr. T. C. Brown.

*Three hours a week.*

Field Work and Laboratory Work, Dr. T. C. Brown.

*Six hours a week.*

The lectures discuss the materials which constitute the earth's crust; the principal rock-forming minerals and others of special economic importance are first described; the important rock types, sedimentary, igneous, and metamorphic are described and their relations shown. The course closes with a discussion of the phenomena and principles of vulcanism and seismology. The lectures are illustrated by mineral and rock specimens, photographs, lantern slides, and wooden models. Private reading and outside preparation amounting to at least three and a half hours a week are required.

In the laboratory crystal forms, rock-forming minerals, and rock types are systematically studied.

Field excursions are made to mineral localities in the vicinity of the college.

*2nd Semester.*

Glaciology and Structural Geology, Dr. Bascom.\*

*Three hours a week.*

Field Work and Laboratory Work, Dr. Bascom.\*

*Six hours a week.*

The lectures treat of the evidences, conditions, work, and causes of the glacial period; the development of man; the causes and effects of earth movements; hypotheses of the origin and of the age of the earth. The course is illustrated with models, photographs, and lantern slides. Private reading and outside preparation amounting to at least three and a half hours a week are required.

In the laboratory topographic maps and models illustrating features due to glaciation and geologic folios, maps, and models illustrating geologic structures are studied. Practice is given in topographic mapping from models, in modeling from topographic maps, and in drawing structure sections.

The field work of the first semester is continued and training in topographic mapping may also be given.

*Group: Geology with Mathematics, or with Physics, or with Chemistry, or with Biology.*

## FREE ELECTIVE COURSES.

Cosmogony, Dr. Bascom.

*One hour a week throughout the year.**(Given in 1916-17 and in 1918-19 if the time of the department permits.)*

The work of the course is conducted by means of lectures, required reading and classroom discussion. The lectures treat of the origin of the earth, the growth of the continents and the development of landscape, and are illustrated by lantern slides. The reading is intended to supplement the lectures and to furnish further material for discussion. The course is intended to give a survey of the more important results reached by geological research.

Meteorology, Dr. T. C. Brown.

*One hour a week throughout the year.**(Given in 1914-15 and again in 1916-17.)*

This course will consist of a series of lectures, supplemented by required reading, on the general field of meteorology and the phenomena with which this science deals. The discussions will deal with the atmosphere, atmospheric temperatures and pressures; winds, dew, frost, clouds, rain, and snow; cyclonic storms, local storms, causes and distribution of rainfall; weather maps and weather predictions.

**Free  
Elective  
Courses.**

\* See footnote, page 137.



## Geologic and Geographic Control in American History, Dr. T. C. Brown

*Two hours a week throughout the year.**(Given in 1914-15.)*

The work in this course will consist of lectures and discussions, supplemented by private reading, concerning the effects of geologic and geographic features upon American history. The following selection will indicate the nature of the topics to be discussed: Topographic effects upon types of industry; mountains, valleys, and routes of travel; water power, mineral fuel, and manufacturing sites; mineral deposits and their effects upon the settlement of the western states; the "fall line" and the larger cities of the Atlantic coast.

## Evolution of the Vertebrates, Dr. T. C. Brown.

*One hour a week throughout the year.**(Given in 1915-16 and again in 1917-18.)*

This course consists of lectures illustrated by charts, diagrams, lantern slides and photographs. It gives a comprehensive outline of the evolution of the vertebrates from the earliest appearance of representatives of this group to the present time. This vertebrate phylum not only contains the highest types of animal life but is the only phylum which has gone through the whole of its evolution since the beginning of geological history as recorded in the fossil-bearing rocks. The course will consider first those primitive types which perhaps represent ancestral vertebrate forms and then will consider in the order of their appearance the five great classes of Fishes, Batrachians, Reptiles, Birds, and Mammals. The rise and development of the mammals will be followed in considerable detail, and an attempt will be made to show the relation between the types which were developed and their environment including the geographic, physiographic, and climatic factors as well as the surrounding animal and plant life.

## POST-MAJOR COURSES.

**Post-Major Courses.**

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

## Petrography, Dr. Bascom.\*

*Three hours a week throughout the year.**(Given in 1915-16 and again in 1917-18.)*

During the first semester the lectures deal with the principles of optical crystallography, the optical means of mineral determination, and the petrographic characters of rock-forming minerals. In the second semester the structure, composition, characters, origin, geographical distribution, and geological associations of the igneous rocks are treated. Practice is given in the quantitative chemical classification of igneous rocks for the purpose of determining their position in the new system. Petrographical investigation in the field and laboratory is included in the course. The works of Groth, Rosenbusch, Zirkel, and Michel Levy are used for reference. Special field problems are given to the students for independent solution.

Determinative Mineralogy, Dr. Bascom. *Two hours a week throughout the year.**(Given in 1916-17 and again in 1918-19.)*

In this course lectures and laboratory practice deal with the determination of minerals by means of physical tests and by blow-pipe analysis. Special emphasis will be placed on crystal forms and practice will be given in the use of the two-circle contact goniometer.

The course will be given if elected by a sufficient number of students. It was given in 1914-15.

\* See footnote, page 137.

## Invertebrate Paleontology, Dr. T. C. Brown.

*Three hours a week throughout the year.**(Given in 1914-15 and again in 1916-17.)*

The course presupposes a knowledge of historical geology. During the first semester a systematic study is made of the various classes of invertebrate animals which are found in a fossil state. Special attention is given to the relations of these classes to each other, and any bearing that this may have on the theory of evolution is pointed out. Those classes which are of practical value to the stratigraphic geologist in determining the geologic age of formations are dwelt upon at considerable length. Excursions are made to neighboring fossiliferous localities to collect fossils and to observe their occurrence in the rocks. The student has access, not only to the representative paleontological collection of Bryn Mawr College, but also to the large collections of the several academies and institutions in Philadelphia.

The work of the second semester is designed to make the students familiar with methods of applying a knowledge of invertebrate paleontology to the problems of geology. It will treat in detail each of the successive faunas or assemblages of animal life which have developed since the opening of the Cambrian period. An attempt will be made to show that each fauna was a direct response to the environment which surrounded it, and the probable geologic, physiographic, and climatic factors of this environment will be discussed.

## Vertebrate Paleontology, Dr. T. C. Brown.

*Two hours a week throughout the year.**(Given in 1915-16 and again in 1917-18.)*

A systematic study is made of the vertebrate remains which have been found as fossils. Since the vertebrate organisms represent the highest phase of development to which the animal kingdom has attained, a study of their past history is of prime importance in elucidating some of the most fundamental principles in the evolution of life. The course will be given if elected by a sufficient number of students. It was given in 1914-15.

## GRADUATE COURSES.

The graduate courses in petrology and crystallography should be preceded by the major and post-major courses or their equivalents and are intended primarily for graduate students wishing to make inorganic geology a major subject for the degree of Doctor of Philosophy. The graduate course in crystallography is also intended to meet the needs of graduate students in chemistry who wish to make crystallography a minor subject for the degree of Doctor of Philosophy. The graduate courses in stratigraphic geology and paleontology and paleogeography are designed primarily for graduate students wishing to make organic geology a major subject for the degree of Doctor of Philosophy; they may also be taken by graduate students in biology who wish to make paleontology a minor subject for the degree of Doctor of Philosophy. Further graduate courses in petrology and paleontology will be arranged to suit the requirements of candidates for the degree of Doctor of Philosophy and research problems will be assigned.

Students may specialise either in petrology and crystallography, under the direction of Dr. Bascom, or in stratigraphic geology and paleontology, under the direction of Dr. T. C. Brown, but students who make inorganic geology the major subject of examination must take either organic geology, inorganic chemistry or crystallography, as the associated minor, and students who elect organic geology as the major subject, must take either

**Graduate Courses.**

inorganic geology or biology as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to the graduate courses.

Seminary in Petrology and Crystallography, Dr. Bascom.\*

*Three hours a week throughout the year.*

*(Given in each year.)*

This seminary will be conducted by means of informal discussions, required reading, laboratory work, and formal reports. The selection of subjects in petrology will be dependent upon the needs of the individual students. In crystallography direction will be given in crystal measurement by the reflecting goniometer, in crystal projection, and crystal drawing. The seminary will involve as much laboratory work as the time of the student permits.

Seminary in Stratigraphic Geology and Paleontology, Dr. T. C. Brown.

*Three hours a week throughout the year.*

*(Given in each year.)*

The nature of the work in this seminary will be determined by the needs of the students. The work will consist of consultations, required readings, formal reports, and laboratory work. Students specialising in stratigraphic geology will devote their attention to the principles of stratigraphy and the stratigraphic succession in North America. For those who specialise in paleontology the work will consist of a detailed study of the modern methods of paleontologic research and of the succession of fossil faunas.

Geological Journal Club, Dr. Bascom and Dr. T. C. Brown.

*One hour a week throughout the year.*

The graduate students and the instructors meet for the presentation and discussion of recent geological literature.

## Biology.

The instruction in this department is under the direction of Dr. David Hilt Tennent, Professor of Biology, Dr. Arthur Russell Moore, Associate Professor of Physiology, and Miss Mary Edith Pinney, Demonstrator in Biology. The instruction offered in biology covers twenty-three hours of lectures a week; it includes the equivalent of ten hours a week of undergraduate minor and major work; one hour a week of free elective work; six hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in biology, and six hours a week of graduate lectures and seminary work. The post-major work may be further extended by special laboratory courses.

The work of the first year, or minor course, forms a general introduction to the subject through a broad, comparative study

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\* See footnote, page 137.



of living things (general biology). In the second year the foundation of a minuter knowledge of animal morphology and physiology is laid. The third year's work, or post-major course, is devoted to the study of more advanced subjects and the practical investigation of simple problems. A knowledge of the elements of chemistry and physics is very desirable for students entering any course in biology, and is necessary for advanced work in the subject.

## FIRST YEAR.

(Minor Course.)

## 1st Semester.

(Given in each year.)

Lectures on General Biology, Dr. Tennent.

Three hours a week.

Laboratory Work, Dr. Tennent and Miss Pinney.

Six hours a week.

**Major  
Course**

## 2nd Semester.

Lectures on General Biology, Dr. Tennent and Dr. Moore.

Three hours a week.

The first nine weeks of the semester are devoted to the study of the blood, circulation, and respiration, with especial reference to mammals. The lectures on embryology of vertebrates follow, and are given three hours a week throughout the remainder of the semester.

Laboratory Work, Dr. Tennent, Dr. Moore and Miss Pinney.

Six hours a week.

It is the object of this course to give the student clear conceptions of the fundamental principles of morphology and physiology and of the relations of the biological sciences to one another and to other branches of science. The laboratory practice is designed to enable the student, as far as possible, to examine for herself the facts discussed in the lectures, to encourage the habit of exact observation, and to impart a knowledge of methods of practical work.

The general subject is treated in two courses which supplement each other and must be taken together. The course in the first semester deals especially with the lower forms of life, the relations of plants and animals, and the more general principles of the science. The course in the second semester is devoted more largely to the higher forms of animal life, with special reference to physiology.

The work is designed not simply to teach the elements of zoology and botany, as commonly understood, but in addition to this to treat plants and animals with constant reference to one another, both in their structure and in their mode of action. Stress is therefore laid on the essential facts of comparative morphology and physiology (general biology) as illustrated by the thorough study of a few types, rather than on the minutiae of classification. At the same time the work is arranged with reference to subsequent special work in zoology, botany, and physiology.

In the first semester the student examines a number of animals and plants, so arranged as to form a natural progressive introduction to the general principles of biology. The student makes a detailed examination of unicellular organisms, and from these proceeds gradually to the complex conditions of structure and function found in higher plants and animals. In the second semester attention is given mainly to the biology of the higher animals. The course ends with a study of the embryology of the frog and, in greater detail, that of the chick.



## SECOND YEAR.

*1st Semester.**(Given in each year.)*

General Physiology, Dr. Moore.

*Three hours a week*

Laboratory Work, Dr. Moore and Miss Pinney.

*Six hours a week.*

The instruction in general physiology consists of a systematic course of lectures upon the properties of living matter supplemented by experiments in the laboratory, frequent oral or written quizzes.

In the laboratory the student becomes acquainted with the reactions of simple protoplasm and methods of analysis of such reactions, and performs a number of fundamental physiological experiments using vertebrates and invertebrates as material. The aim of the laboratory work is to develop the power of accurate observation and description, having in view the solution of problems rather than merely checking preconceived notions.

To this end all experiments are carefully written up and handed in with the graphic record, if any, for criticism, after which they are returned for correction. Any serious errors are discussed personally with the student. Matriculation physics and chemistry are strongly recommended as preparation for this course.

*2nd Semester.*

General Zoology, Dr. Tennent and Dr. Moore.

*Three hours a week*

The course in general zoology extends the work of the first year so as to include a survey of the phenomena of animal life, the first nine weeks being devoted to a consideration of the morphology of the invertebrates and the remainder of the semester to a study of the physiology of type forms. Part of the course is devoted to a critical analysis of the theory of evolution and discussions of the broader philosophical problems of biology such as heredity, variation, adaptation, and kindred topics. These lectures vary somewhat from year to year, and are intended to be suggestive rather than exhaustive in character.

Laboratory Work, Dr. Tennent, Dr. Moore, and Miss Pinney.

*Six hour a week.*

*Group: Biology with Psychology, or with Mathematics, or with Physics, or with Chemistry, or with Geology.*

## FREE ELECTIVE COURSE.

***Free  
Elective  
Course.***

Theoretical Biology, Dr. Tennent.

*One hour a week throughout the year**(Given in each year.)*

This is a historical course dealing with the development of the theories of biology. The course is open to students who have had one year's training in science. A considerable amount of assigned reading is required.

## POST-MAJOR COURSES.

***Post-  
Major  
Courses.***

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Embryology of Vertebrates, Dr. Tennent.

*One hour a week throughout the year.**(Given in 1914-15 and again in 1916-17.)*

This course consists of lectures, assigned reading, and laboratory work on the embryology of vertebrates. The lectures deal with the development of specific forms and with theoretical questions of embryological interest. The department has material for the study of the development of *Amphioxus*, *Ascidian*, *Amia*, *Lepidosteus*, *Squalus*, *Ctenolabrus*, *Necturus*, *Rana*, *Chrysemys*, *Chick*, and *Pig*. At least five hours of laboratory work will be required.

The course is divided as follows: First semester, Early stages of development. Second semester, Organogeny.

### Protoplasm, the Cell, and Cytological Technique, Dr. Tennent.

*One hour a week during the first semester.*

*(Given in 1915-16 and again in 1917-18.)*

This course consists of a study of the structure of protoplasm, the structure of the cell, the phenomena of cell division, maturation and fertilisation. Both plant and animal cells will be studied, and instruction will be given in methods of preparing cytological material for microscopical examination. This course is to be taken as a two hour course with four hours laboratory.

### Experimental Morphology, Dr. Tennent.

*One hour a week during the second semester.*

*(Given in 1915-16 and again in 1917-18.)*

The object of this course is to give a general historical view of experimental morphology of both plants and animals, to discuss some of the methods employed, to point out the results already obtained, and to indicate the nature of the work now being done in the subject. The topics discussed are: regeneration in Protozoa and Metazoa, behaviour of lower organisms, experiments on the fertilised and unfertilised egg, Mendel's experiments in hybridisation, and De Vries *Oenothera* mutants. This course is to be taken with four hours laboratory as a two hour course.

### Biochemistry, Dr. Moore.

*Three hours a week throughout the year.*

*(Given in each year.)*

This course consists of lectures, recitations, assigned reading and laboratory work. At least four hours a week of laboratory work are required. The laboratory work includes a study of proteins, fats, and carbohydrates derived from various plant and animal tissues; the occurrence, extraction, and mode of action of enzymes; analysis of milk, blood and urine; practise in the use of polarimeter, refractometer, colorimeter, and apparatus for the determination of the freezing point as applied to problems of biology. A preliminary training in chemistry at least equivalent to that obtained in the minor course is required.

### Comparative Physiology of the Central Nervous System, Dr. Moore.

*One hour a week throughout the year.*

*(Given in 1914-15 and again in 1916-17.)*

The function of the nervous system in invertebrates with reference to instincts and tropisms.

The course consists of lectures, experiments and reports on recent published work. The laboratory work and reading together amount to one and a half hours a week.

### Recent Advances in Biochemistry, Dr. Moore.

*One hour a week throughout the year.*

*(Given in 1915-16 and again in 1917-18.)*

This course consists of lectures, and reports on assigned reading, dealing with the biochemistry of enzymes, secretion, fertilisation, and development. The laboratory work and required reading together amount to one and a half hours a week.

## Laboratory Work, Dr. Tennent and Dr. Moore.

It is desirable that as much laboratory work as possible should be done in connection with the courses offered above. The object of the laboratory work is to give the student experience in the use of apparatus and in adapting it to research. Some special problem is assigned to each student; at the end of the year the results of the work are presented in writing.

## GRADUATE COURSES.

**Graduate Courses.**

Six hours a week of seminary work and graduate lectures are offered each year to graduate students of biology accompanied by the direction of private reading, laboratory work and original research. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to six hours a week may be elected by graduate students. The advanced courses are varied from year to year, so as to form a consecutive course for students that wish to make biology one of the chief subjects of the examination for the degree of Doctor of Philosophy. Such students may specialise either in animal morphology under the guidance of Dr. Tennent, or in physiology or biochemistry under the guidance of Dr. Moore.

## Seminary in Zoology, Dr. Tennent.

*Three hours a week throughout the year.*

*(Given in each year.)*

In 1914-15 Cytology is the subject of the seminary. The work deals with the anatomy of the cell and the relations and functions of its various structures in unicellular and multicellular organisms.

Special attention is given to the phenomena of spermatogenesis and oögenesis and the theories connected therewith.

In 1915-16 Embryology of Invertebrates will be the subject of the seminary. The work will include a systematic survey of the normal development of invertebrates; of the problems of germinal organization, cleavage and differentiation, and a discussion of the bearing of these questions on evolution and inheritance.

In 1916-17 Genetics will be the subject of the seminary. The work includes a discussion of biometrical methods and results; of investigations on "pure lines"; of the effectiveness of selection; of the relation between chromosomes and heredity; of various theories of heredity and of the application of these ideas in animal and plant breeding.

## Seminary in Physiology, Dr. Moore.

*Two hours a week throughout the year.*

*(Given in each year.)*

In 1914-15 Internal Secretions is the subject of the seminary. The work consists of reports by the students, and discussion of recent problems in the subject.

In 1915-16 selected problems dealing with the gastro-intestinal tract will be treated by similar methods.

In 1916-17 Problems in the Chemistry of the Enzymes will be investigated. The order of subjects may be varied to meet the needs of the students.

## Biological Journal Club, Dr. Tennent and Dr. Moore.

*One hour a week throughout the year.*

The advanced students and the instructors meet for the presentation and discussion of topics of current biological literature.

### Laboratory Work, Dr. Tennent and Dr. Moore.

There is no regular course of laboratory instruction for graduates. Each student desiring to devote a considerable portion of her time to such work is given an experimental problem for verification or extension. The nature of the work depends in each case on the qualifications of the student.

### Department of Health and Hygiene.

The health of the students is under the care of a Health Committee consisting of the President of the College, the Dean of the College, the Director of Athletics and Gymnastics, and the Physicians of the College.

Every undergraduate student and hearer must be examined each year by the Assistant Physician of the College, and twice each year by the Director of Athletics and Gymnastics with reference to physical development, strength of heart and lungs, and general health. The eyes of students are examined by the Examining Oculist of the College during the first semester after entering the college and again during the first semester of the junior year. Students who cannot furnish evidence of successful vaccination within a period of two years are vaccinated by the college physicians.

Eminent specialists practising in Philadelphia whose names may be found in the list of academic appointments have consented to serve as consulting physicians of the college. The Assistant Physician will be in her college office during the hours from four to half past five of every afternoon except Sunday and may be consulted by the students without charge.

All students who are not under the special care of the attending physicians on account of illness are under the immediate care of the Director of Athletics and Gymnastics. She receives the reports of students on the special supervision list, keeps careful records of the health of all students and endeavours by lectures, interviews, personal advice, exercise, and general hygiene to maintain and improve the health of the students. A course of six lectures on personal and community hygiene is given each year which freshmen are required to attend.

The infirmary fee of \$10.00 paid by every resident student entitles her to be cared for in the infirmary for five days (not necessarily consecutive) during the year without paying extra fees for nurses or for attendance by the college physicians, and



also to the services of the nurses employed by the college during other temporary illness, provided one of the regular nurses is free at the time. In the case of an illness of more than five days' duration and also of all diseases of an infectious character the student must meet, or in case of two or more students with the same infectious disease share, the expense of a special nurse, the infirmary fees, and also hospital or sanitarium charges for board and residence should she be removed from the college by order of the Physician in Chief. During the five days specified above the attendance fees of the college physicians are paid by the college. All further fees must be paid by the student.

A special nurse for one student costs \$5.30 per day (nurse's fee \$4.00, board \$1.00, laundry .30) or \$34.10 per week (nurse's fee \$25.00 per week, board \$7.00, laundry \$2.10). In the case of infectious diseases the special nurse costs \$6.30 a day (nurse's fee \$5.00 per day) or \$39.10 per week (nurse's fee \$30 per week). The infirmary fee is \$3.00 per day. It is often possible for two or three students to be nursed by one extra nurse at the same time, thus reducing the fee for nursing. When a student has not an infectious disease the infirmary fee of \$3.00 per day will include the nurse's fee provided it is possible for one of the college nurses to care for the student. The attendance fees of the college physician are \$2.00 per visit. The fees of the consulting physicians and surgeons and other specialists recommended by the college will be furnished on request.

All communications concerning the health of the students from parents and guardians, outside physicians, and others should be addressed to the Dean of the College, who will also excuse students for absence on account of illness before and after vacations and from attendance on academic work.

### Athletics and Gymnastics.

The exercise of the students is under the care of Miss Constance M. K. Applebee, Director of Athletics and Gymnastics, and Miss Elizabeth L. Gray, Assistant Director of Athletics and Gymnastics.

The gymnasium (see page 151) is open for the use of students from 7 A.M. to 10 P.M. daily. Four periods of exercise a week are required of all resident and non-resident undergraduate students and hearers throughout the year. From December first till April first attendance twice a week in the gymnasium is compulsory for all resident and non-resident undergraduate

students and hearers. Students may take part during the year in the following forms of exercise which are organised by the Athletic Association under the supervision of the Director: in the autumn, tennis and hockey; in the winter, water polo, swimming meet, fencing, and indoor track athletics; in the spring, basketball, track, and tennis. All students are required to take six lessons in swimming each semester until able to satisfy the required test. No undergraduate student will be excused from the required exercise except by order of the Director of Athletics and Gymnastics. Special exercises are prescribed for students needing individual corrective work, and these are taken in addition to the regular class work. Every student while exercising in the gymnasium must wear a gymnasium suit of the pattern prescribed by the Director.

### Opportunities for Public Worship.

In the vicinity of the college there are churches of almost all the various religious denominations. Coaches are provided by the college on Sundays to enable students to attend the churches in the neighborhood.

Religious services are held in the college every Sunday evening by prominent clergymen of different denominations. A vesper service is held every Sunday afternoon and there is daily morning chapel. Attendance on all the religious exercises of the college is voluntary.

### COLLEGE BUILDINGS.

The college buildings are situated at Bryn Mawr, in the suburbs of Philadelphia, five miles west of the city, on the main line of the Pennsylvania Railroad. The site of the college is four hundred and twenty feet above sea level in the midst of a beautiful rolling country made accessible by good roads in every direction. The college grounds cover fifty-two acres, and include lawns, tennis-courts, and two large athletic fields, one of which is converted in winter into a skating-pond.

Taylor Hall (named after the founder), a large building of Port Deposit stone, contains a general assembly room, eleven lecture-rooms, and the offices of administration.

The library, the gift of the friends, graduates, and students of

the college, begun in April, 1903, was completed in February, 1907. It is built of gray stone in the Jacobean Gothic style of architecture of the period of 1630 and forms three sides of a closed quadrangle. The main building, devoted to the library proper, faces east and is opposite and parallel to Taylor Hall at a distance of about fifty yards; the principal entrances of the two buildings face each other and are connected by a broad cement path. The east front is one hundred and seventy-four feet long and contains a three-story stack with accommodation for 88,000 volumes, and above this a large reading-room with desks for one hundred and thirty-six readers, each desk screened to a height of two feet as in the British Museum reading-room to secure privacy to the reader. No books of reference are kept in the main reading-room. Beyond the reading-room on the south side are the newspaper and magazine rooms. On the north side are the Art and Archæological Seminaries, containing collections of photographs, vases, and coins. The main building contains the Stack, the New Book Room, Reference Book Room, the Carola Woerishoffer Memorial Room, the Reserved Books Room, the Christian Association Library, one professor's office, and four cloak rooms. The wings of the building, running symmetrically about two hundred feet in length from the north and south ends of the main building, contain twelve seminary rooms and twenty-seven professors' offices. The books needed for graduate study and research are kept in the seminary rooms and graduate lectures are held in them. The seminaries are arranged as follows: Greek, Latin, English, Art, Archæology, German, French, Italian and Spanish, Semitic Languages, and Philosophy in the north wing; Mathematics, History, Economics and Psychology in the south wing, where are also offices for the librarians and cataloguers. The total book capacity of the library, including the seminary libraries and the books for general study which are kept in the stack, is 168,449 volumes. The building is absolutely fireproof. Professors' offices for the senior professors in each department adjoin the seminary rooms. There are also two seminary lecture-rooms accommodating about fifteen students, one general lecture-room accommodating forty-two students, and three interview rooms.



On the first floor of the south wing the department of experimental psychology has two large laboratories, one for general work and one for research. The basement of the north wing contains rooms for the Monograph Committee of the Faculty, the Alumnae Association, and fireproof safe rooms for the records and archives of the college. The quadrangular court enclosed by the building is surrounded by cloisters and in the centre of the grass enclosure is a fountain, the gift of the class of 1901.

The library is open for students on week-days from 8 A.M. till 10 P.M. and on Sundays from 2 P.M. till 10 P.M. It is open for the faculty at all hours.

In January, 1893, the scientific departments of the college were transferred to Dalton Hall, a stone building erected by the trustees out of funds in large part contributed by the generosity of friends of the college. Dalton Hall is entirely occupied by the scientific departments, the special scientific libraries, and the consultation-rooms of the professors of science. The first floor and the basement are reserved for physics, the second floor is reserved for biology, the third floor for chemistry, and the fourth and fifth floors for geology. In December, 1893, a greenhouse designed for the use of the botanical department was added to Dalton Hall as the gift of the alumnae and students.

Around Taylor Hall the trustees have erected halls of residence for the accommodation of students. Plans and descriptions of the six halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall East, Pembroke Hall West, and Rockefeller Hall, the gift of Mr. John D. Rockefeller, and of the academic buildings, Taylor Hall, the Library, and Dalton Hall, are published in Part 4 of the Bryn Mawr College Calendar to be obtained from the Secretary of the College.

Music-rooms with sound-proof walls and ceilings are provided in Pembroke Hall East, and rooms where the students can have hairdressing and dressmaking done, and a club and luncheon-room for non-resident students in Rockefeller Hall.

The new gymnasium, erected on the site of the first gymnasium and the gift of the Athletic Association, the alumnae and thirteen neighbors of the college, was completed in February, 1909. It is open to the students from 8 A.M. till 10 P.M., daily,



contains a large hall for gymnastic exercises, with a running or walking track for use in rainy weather; a room for the director and an adjoining room for the examination and record of the physical development of the students, a waiting-room, and cloak rooms. In the basement are dressing-rooms and shower-baths for use after exercise and a swimming-tank, seventy feet long, twenty feet wide, and from four to seven and a half feet deep, given in 1894 by the alumnae, students, and friends of the college, and well supplied with spring boards, life preservers, and other apparatus for the teaching of swimming. The gymnasium is under the charge of a director and two assistants.

On the grounds, separated from other buildings, is the Class of 1905 infirmary opened in October, 1913, with accommodation for patients and nurses, doctors' offices and consultation rooms, diet kitchens, bathrooms, wards and private rooms, sun parlour, sun terrace, and two isolation wards.

The Phebe Anna Thorne Out-of-door Model School is situated on the campus and has its own out-of-door class room and athletic ground.

A central power-house, which was erected in 1902 as part of the gift of Mr. John D. Rockefeller, furnishes heat, electric light, and hot water for all the college buildings. Steam is conducted through tunnels underground to coils in the basement of each building. Air brought in from the outside is blown through the heaters by powerful fans and distributed to the various rooms, and the system is so adjusted as to change the air completely in every room once in every ten minutes throughout the day and night. The temperature is regulated by thermostats in the heating coils as well as in the individual rooms. The electric lights, including electric reading-lamps for each student, are installed in the most approved manner and the voltage is kept constant so that there is no fluctuation. A constant and abundant supply of hot water is laid on and maintained at a temperature of 180 degrees during all the twenty-four hours of the day, in all the bathrooms and stationary wash-stands and tea pantries.

The Bell Telephone Company, a branch of the American Telephone and Telegraph Company, maintains telephone pay stations in each of the halls of residence, in the library, and in the

gymnasium, by means of which the students may be communicated with at any time. Near the college are a Postal Telegraph-Cable Company office (service 6 A.M. to 12 P.M.), an Adams Express office, a United States money-order office, and two banks. There are good roads in every direction. Horses for riding and driving may be kept at livery near the college at a cost of twenty-five dollars a month.

### The Library.

The fact that the college is situated in the suburbs of Philadelphia enables the student to make use of all the resources of the libraries of Philadelphia, as well as those of the college proper. *Libraries.*

The college library has been collected within the past thirty years, and is designed to be, as far as possible, a library for special study. There are at present on its shelves about seventy-five thousand bound volumes, and ten thousand doctor's dissertations and pamphlets, the collection including the classical library of the late Professor Sauppe, of Göttingen, which was presented to the college in 1894, and the Semitic library of the late Professor Amiaud, of Paris, acquired in 1892. A more detailed description of these two collections may be found on pages 52 and 89.

The books needed principally for graduate and research work are shelved in the fourteen seminary libraries and the books on physics, chemistry, geology, and biology in the departmental libraries in Dalton Hall adjoining the laboratories in these subjects. The books of reference, sets of periodicals, and proceedings of societies and the main collection of the library are kept in the stack room.

In each of the six halls of residence are collections of from five to six hundred volumes each, consisting of books useful to undergraduate students, not only supplementing their private libraries, but duplicating such books in the general library as are most used. A seventh collection of this character is kept in the main library for the use of non-resident students.

Students may take from the general and departmental libraries for periods of two weeks each, any books except reference

books and books reserved for special use. Books in the hall libraries and books reserved for special use may be taken for two hours.

The sum of about seven thousand dollars is expended yearly for books under the direction of the heads of the several collegiate departments, and, in addition to many gifts of books, about twenty thousand dollars has been presented to the library during the past ten years for expenditure in special departments. Over four hundred publications and reviews in the English, German, Greek, French, Italian, Spanish, Norse, and Swedish languages, are taken by the library, as follows:

*General and Miscellaneous Periodicals.*

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|--|---|
| Abhandlungen der Königlichen Bayerischen Akademie der Wissenschaften zu München. | Illustrated London News.  |
| Academy.   | L'Illustration.   |
| *Amherst Graduates' Quarterly.   | Independent.  |
| Annales Politiques et Littéraires.   | Index to Dates.   |
| Athenæum.  | Internationale Wochenschrift für Wissenschaft, Kunst u. Technik.                  |
| Atlantic Monthly.  | Jahresverzeichniss der an den deutschen Schulanstalten erschienenen Abhandlungen. |
| *Bibliothèque de la Faculté des Lettres de l'Université de Paris.                | *Johns Hopkins University, Circulars.   |
| Bookman.   | Library Journal.  |
| Bookman (English).   | Masses.   |
| *Book News Monthly.  | McClure's Magazine.   |
| Bookseller.  | Mercure de France.  |
| *Bryn Mawr Alumnae Quarterly.  | *Mind and Body.   |
| Bulletin of Bibliography.  | Monthly Bulletin of the Carnegie Library of Pittsburgh.                           |
| *Bulletin of the New York Public Library.  | Münchener allgemeine Zeitung.   |
| *Bulletin of the Pan-American Union.   | Nachrichten von der Königlichen Gesellschaft der Wissenschaften, Göttingen.       |
| Century.   | Nation.   |
| Collier's Weekly.  | Neue Rundschau.   |
| *Columbia University Quarterly.  | New Republic.   |
| Contemporary Review.   | Nineteenth Century.   |
| Country Life in America.   | North American Review.  |
| Cumulative Book Index.   | Notes and Queries.  |
| Deutsche Rundschau.  | Nuova Antologia.  |
| Dial.  | Outlook.  |
| Drama.   | *Pennsylvania Library Notes.  |
| Edinburgh Review.  | Preussische Jahrbücher.   |
| English Review.  | Publishers' Weekly.   |
| Fortnightly Review.  | Punch.  |
| Forum.   | Quarterly Review.   |
| Göttingische Gelehrte Anzeigen.  | Reader's Guide to Periodical Literature.  |
| Harper's Monthly Magazine.   | Review of Reviews.  |
| Harper's Weekly.   |   |
| Harvard Graduates' Magazine.   |   |

Revue Critique d'Histoire et de Littérature.  
 \*Revue Critique des Livres Nouveaux.  
 Revue de Paris.  
 Revue des Deux Mondes.  
 Revue Politique et Littéraire: Revue Bleue.  
 Saturday Review.  
 Scribner's Magazine.  
 Sewanee Review.  
 Sitzungsberichte der Königlichen Bayerischen Akademie der Wissenschaften.  
 Sitzungsberichte der Königlichen Preussischen Akademie der Wissenschaften zu Berlin.

Spectator.  
 Der Türmer.  
 \*Tipyn o' Bob.  
 \*University of California, Publications.  
 \*University of Colorado, Studies.  
 \*University of Missouri, Studies.  
 \*University of Nebraska, Studies.  
 \*University of Nevada, Studies.  
 \*University of Texas, Studies.  
 \*University of Washington, Studies.  
 Die Woche.  
 World's Work.

*Newspapers.*

\*Bryn Mawr Record.  
 New York Evening Post.  
 New York Times.

\*Boston Transcript.  
 Philadelphia Public Ledger.  
 London Times.

*Art and Archæology.*

American Journal of Archæology.  
 Art and Archæology.  
 Bulletin de Correspondance hellénique.  
 \*Bulletin of the Metropolitan Museum of Art, New York.  
 Burlington Magazine.  
 Denkmäler der Malerei des Altertums.  
 Ephemeris Archæologike.  
 Jahrbuch des Kaiserlich deutschen archæologischen Instituts.  
 Jahresbericht über die Fortschritte der classischen Alterthumswissenschaft.  
 Jahreshefte des österreichischen archæologischen Instituts in Wien.

Journal of Hellenic Studies.  
 Mittheilungen und Nachrichten des Deutschen Palästina Vereins.  
 Mittheilungen des Kaiserlich deutschen archæologischen Instituts, Athenische Abteilung.  
 Mittheilungen des Kaiserlich deutschen archæologischen Instituts, Römische Abteilung.  
 \*Museum of Fine Arts Bulletin, Boston.  
 Notizie degli Scavi di Antichità.  
 Revue Archéologique.  
 Zeitschrift des Deutschen Palästina Vereins.

*Economics and Politics.*

\*Advocate of Peace.  
 All Opinions of the U. S. Supreme Court.  
 Allgemeines statistisches Archiv.  
 American City.  
 American Economic Review.  
 American Federationist.  
 American Journal of Sociology.  
 American Labor Legislation Review.  
 American Political Science Review.  
 Annalist.  
 Annals of the American Academy of Political and Social Science.  
 Bibliography of Social Science.  
 \*Bulletin of the New York State Department of Labor.

\*Bulletin of the University of Wisconsin, Economics and Political Science Series.  
 Charity Organization Review.  
 \*City Club Bulletin.  
 Columbia Law Review.  
 Columbia Studies in History, Economics and Public Law.  
 Cooperation.  
 Cooperative Consumer.  
 Economic Journal.  
 Economic Review.  
 \*Die Friedenswarte.  
 Great Britain, Quarterly List of Official Publications.  
 Handbuch der öffentlichen Rechte.



- Harvard Law Review.  
 International Socialist Review.  
 Jahrbücher für Nationalökonomie u. Statistik.  
 Johns Hopkins University Studies in Historical and Political Science.  
 Journal of Criminal Law.  
 Journal of Political Economy.  
 Journal of the Royal Statistical Society.  
 \*La paix par le droit.  
 Pacific Co-operator.  
 Political Science Quarterly.  
 Proceedings of the Academy of Political Science.  
 Publications of the American Economic Association.  
 Publications of the American Statistical Association.
- Quarterly Journal of Economics.  
 Revue Bibliographique.  
 \*Southern Workman.  
 Survey.  
 \*University of Missouri Studies, Social Science Series.  
 \*University of Pennsylvania Publications, Series in Political Economy and Public Law.  
 Vierteljahrsschrift für Philosophie u. Soziologie.  
 Yale Review.  
 Zeitschrift für Socialwissenschaft.  
 Zeitschrift für Volkswirtschaft, Socialpolitik u. Verwaltung.

*Education.*

- Berichte der Dalcroze Schule.  
 Education.  
 Educational Review.  
 Educational Times.  
 Elementary School Journal.  
 Journal of Educational Psychology.  
 Journal of Experimental Pedagogy.  
 Journal of Pedagogy.  
 \*Journal of the Association of Collegiate Alumnae.  
 Lehrproben und Lehrgänge.  
 Manual Training Magazine.
- Pädagogische Studien.  
 Pedagogical Seminary.  
 Revue Internationale de l'Enseignement Supérieur.  
 Revue Universitaire.  
 School Journal.  
 School Review.  
 School Science and Mathematics.  
 \*University of California Publications, Education.  
 Zeitschrift für Pädagogische Psychologie.  
 Zeitschrift für Schulgesundheitspflege.

*History.*

- American Historical Review.  
 \*Bulletin of the University of Wisconsin, History Series.  
 English Historical Review.  
 Historical Manuscripts Commission, Reports.  
 Historische Vierteljahrsschrift.  
 Historische Zeitschrift.  
 \*Illinois State Historical Society Journal.  
 Jahresberichte der Geschichtswissenschaft.  
 Klio, Beiträge zur alten Geschichte.
- New York Times Current History of the European War.  
 Pennsylvania Magazine of History.  
 Révolution Française.  
 Revue des Etudes Napoléoniennes.  
 Revue des Questions Historiques.  
 Revue Historique.  
 \*University of Pennsylvania Publications, Series in History.  
 \*University of Toronto Studies, History and Economics.

*Philology and Literature, Classical.*

- Bulletin Bibliographique et Pédagogique du Musée Belge.  
 Classical Journal.  
 Classical Philology.  
 Classical Quarterly.  
 Classical Review.  
 Classical Weekly.  
 Harvard Studies in Classical Philology.
- Hermes.  
 Jahresbericht über die Fortschritte der Klassischen Altertumswissenschaft.  
 Journal of Hellenic Studies.  
 Journal of Roman Studies.  
 Le Musée Belge, Revue de Philologie Classique.  
 Mnemosyne.

Philologische Untersuchungen.  
 Philologus.  
 Quellen und Forschungen zur lateinischen  
 Philologie.  
 Revue de Philologie.  
 Revue des Études Grecques.  
 Rheinisches Museum für Philologie.

Rivista di Filologia.  
 Studi Italiani di Filologia Classica.  
 Studi Storici per l'Antichità Classica.  
 Wiener Studien, Zeitschrift für klassische  
 Philologie.  
 Wochenschrift für klassische Philologie.

*Philology and Literature, General and Comparative.*

American Journal of Philology.  
 Berliner philologische Wochenschrift.  
 Éranos.  
 Indogermanische Forschungen.  
 Journal of English and Germanic Philology.  
 Journal of Philology.  
 Neue Jahrbücher für das klassische Altertum, Geschichte und deutsche Literatur.

Transactions of the American Philological Association.  
 Zeitschrift für das Gymnasialwesen.  
 Zeitschrift für die österreichischen Gymnasien.  
 Zeitschrift für vergleichende Literaturgeschichte.  
 Zeitschrift für vergleichende Sprachforschung.

*Philology and Literature, Modern.*

Anglia.  
 Anglistische Forschungen.  
 Annales Romantiques.  
 Archiv für das Studium der neueren Sprachen.  
 Archivio Glottologico Italiano.  
 Arkiv for Nordisk Filologi.  
 Beiblatt zur Anglia: Mitteilungen über englische Sprache und Litteratur.  
 Beiträge zur Geschichte der deutschen Sprache und Literatur.  
 Bonner Studien zur englischen Philologie.  
 British Society of Franciscan Studies.  
 Bulletin de la Société des Anciens Textes Français.  
 Bulletin hispanique.  
 Chaucer Society, Publications (both series).  
 Deutsche Literaturzeitung.  
 Dialect Notes.  
 Early English Text Society Publications (both series.)  
 Englische Studien.  
 Euphorion.  
 German American Annals.  
 Germanisch-romanische Monatsschrift.  
 Giornale Dantesco.  
 Giornale Storico della Letteratura Italiana.  
 Goethe Jahrbuch.  
 Jahrbuch der deutschen Shakespeare Gesellschaft.  
 Jahrbuch des Vereins für niederdeutsche Sprachforschung.  
 Jahresbericht über die Erscheinungen auf dem Gebiete der germanischen Philologie.  
 Journal of German Philology.

Kieler Studien zur englischen Philologie.  
 Korrespondenzblatt des Vereins für niederdeutsche Sprachforschung.  
 Kritischer Jahresbericht über die Fortschritte der romanischen Philologie.  
 The Library.  
 Literarische Echo.  
 Literarisches Centralblatt.  
 Literaturblatt für germanische und romanische Philologie.  
 Le maître Phonétique.  
 Materialien zur Kunde des älteren Englischen Dramas.  
 Modern Language Notes.  
 Modern Language Review.  
 Modern Philology.  
 Münchener Beiträge zur romanischen und englischen Philologie.  
 Palaestra.  
 Poet-lore.  
 Poetry and Drama.  
 Praeger deutsche Studien.  
 Publications of the Modern Language Association.  
 Quellen und Forschungen zur Sprach- und Culturgeschichte der germanischen Völker.  
 Rassegna Bibliografica.  
 Revue d'Histoire Littéraire de la France.  
 Revue des Etudes Rabclaisiennes.  
 Revue Germanique.  
 Revue Hispanique.  
 Romania.  
 Romanic Review.  
 Romanische Forschungen.  
 Schriften der Goethe Gesellschaft.  
 Scottish Text Society, Publications.

Société des Anciens Textes Français, Publications.  
 Société des Textes Français Modernes, Publications.  
 Studien zur englischen Philologie.  
 Wiener Beiträge zur englischen Philologie.  
 Zeitschrift für den deutschen Unterricht.

Zeitschrift für deutsche Philologie.  
 Zeitschrift für deutsches Altertum und deutsche Literatur.  
 Zeitschrift für deutsche Wortforschung  
 Zeitschrift für französische Sprache und Literatur.  
 Zeitschrift für romanische Philologie.

### *Philology and Literature, Semitic.*

American Journal of Semitic Languages and Literatures.  
 Babyloniaca.  
 Jewish Quarterly Review.  
 Proceedings of the Society of Biblical Archaeology.

Recueil de Travaux relatifs à la Philologie et à l'Archéologie Égyptiennes et assyriennes.  
 Zeitschrift für ägyptische Sprache und Altertumskunde.  
 Zeitschrift für Assyriologie.

### *Philosophy and Psychology.*

American Journal of Psychology.  
 Année Psychologique.  
 Archiv für die gesammte Psychologie.  
 Archiv für Geschichte der Philosophie.  
 Archiv für systematische Philosophie.  
 Archives de Psychologie.  
 Archives of Psychology.  
 British Journal of Psychology.  
 Bulletin de l'Institut Psychologique.  
 Hibbert Journal.  
 International Journal of Ethics.  
 Journal de Psychologie.  
 Journal für Psychologie und Neurologie.  
 Journal of Abnormal Psychology.  
 Journal of Animal Behaviour.  
 Journal of Educational Psychology.  
 Journal of Philosophy, Psychology and Scientific Methods.  
 Journal of Religious Psychology.  
 Logos.  
 Mind.  
 Monist.  
 Philosophical Magazine.  
 Philosophical Review.

Proceedings of the Aristotelian Society.  
 Psychological Bulletin.  
 Psychological Review.  
 Psychological Review; Monograph Supplements.  
 Psychological Review; Psychological Index  
 Psychologische Arbeiten.  
 Psychologische Studien.  
 Revue de Métaphysique.  
 Revue de Psychothérapie.  
 Revue Philosophique.  
 \*Studies from the Yale Psychological Laboratory.  
 \*University of California Publications, Philosophy.  
 \*University of Toronto Studies, Psychology Series.  
 Vierteljahrsschrift für wissenschaftliche Philosophie.  
 Zeitschrift für angewandte Psychologie  
 Zeitschrift für Psychologie und Physiologie der Sinnesorgane: 1. Abt., Zeitschrift für Psychologie. 2. Abt. Zeitschrift für Sinnesphysiologie.

### *Religion.*

American Friend.  
 American Journal of Religious Psychology and Education.  
 American Journal of Theology.  
 †Association Monthly.  
 †Australasian Intercollegian.  
 \*Baptist Missionary Magazine.  
 Biblical World.  
 Bibliotheca Sacra.  
 \*Deaconess Advocate.

†Expositor.  
 Expository Times.  
 Friends' Missionary Advocate.  
 \*Hartford Seminary Record.  
 \*Harvard Theological Review.  
 †Herald of Gospel Liberty.  
 †Indian's Friend.  
 †Intercollegian.  
 Journal of Biblical Literature.  
 Journal of Theological Studies.

†Missionary Review.  
 Proceedings of the Society of Biblical  
 Archaeology.  
 \*Publications of the American Jewish  
 Historical Society.

Religious Education.  
 \*Spirit of Missions.  
 \*Woman's Missionary Friend.

### *Science, Biology.*

American Journal of Anatomy.  
 American Journal of Physiology.  
 American Naturalist.  
 Anatomischer Anzeiger.  
 Archiv für Anatomie und Physiologie.  
 Archiv für die gesammte Physiologie.  
 Archiv für Entwicklungsmechanik der  
 Organismen.  
 Archiv für mikroskopische Anatomie.  
 Archiv für Protistenkunde.  
 Bibliographia Physiologica.  
 Biologisches Centralblatt.  
 Biometrika.  
 Botanische Zeitung. 1. Abtheilung.  
 Botanische Zeitung. 2. Abtheilung.  
 Botanisches Centralblatt.  
 \*Brown University, Contributions from the  
 Biological Laboratory.  
 Centralblatt für Physiologie.  
 Eugenics Laboratory Memoirs.  
 \*Illinois State Laboratory of Natural  
 History Bulletin.  
 Jahrbücher für wissenschaftliche Botanik.  
 Journal de Physiologie.  
 Journal of Biological Chemistry.

Journal of Experimental Medicine.  
 Journal of Experimental Zoology.  
 Journal of Genetics.  
 Journal of Morphology.  
 Journal of Physiology.  
 Journal of the Royal Microscopical  
 Society.  
 Mittheilungen aus der Zoologischen Sta-  
 tion zu Neapel.  
 Quarterly Journal of Microscopical  
 Science.  
 \*University of California Publications,  
 Physiology.  
 \*University of California Publications,  
 Zoology.  
 \*University of Pennsylvania, Contribu-  
 tions from the Botanical Laboratories.  
 \*University of Pennsylvania, Contribu-  
 tions from the Zoological Laboratories.  
 \*University of Toronto Studies, Biological  
 Series.  
 University of Toronto Studies, Physio-  
 logical Series.  
 Zeitschrift für wissenschaftliche Zoologie.  
 Zoologischer Anzeiger.

### *Science, General.*

American Journal of Science.  
 Atti della Reale Accademia della Scienze  
 di Torino.  
 \*Bulletin of the University of Wisconsin,  
 Science Series.  
 Comptes Rendus des Séances de l'Académie  
 des Sciences.  
 Elisba Mitchell Scientific Society Journal.  
 International Catalogue of Scientific Lit-  
 erature.  
 Kansas University, Science Bulletin.  
 Nature.  
 \*New York State Museum Bulletin.  
 \*Oklahoma University Research Bulletin.

Philosophical Transactions of the Royal  
 Society of London.  
 Popular Science Monthly.  
 Proceedings of the American Philosophical  
 Society.  
 Proceedings of the Royal Society of  
 London.  
 Public Health Nurse Quarterly.  
 Science.  
 Scientific American and Supplement.  
 \*Technology Review.  
 \*University of Missouri Studies, Science  
 Series.

### *Science, Geology and Geography.*

Centralblatt für Mineralogie.  
 Economic Geology.  
 Geographical Journal.  
 Geological Magazine.  
 Geologisches Centralblatt.

\*Georgia Geological Survey Bulletin.  
 \*Illinois Geological Survey Bulletin.  
 Journal of Geography.  
 Journal of Geology.  
 Meteorologische Zeitschrift.



Mineralogical Magazine.  
 Mineralogische und petrographische Mit-  
 theilungen.  
 National Geographic Magazine.  
 Neues Jahrbuch für Mineralogie, Geologie  
 und Paläontologie.

Philadelphia Geographical Society Bulletin.  
 Quarterly Journal of the Geological  
 Society.  
 \*U. S. Monthly Weather Review.  
 \*University of Toronto Studies, Geological  
 Series.

*Mathematics, Chemistry, and Physics.*

Acta Mathematica.  
 American Journal of Mathematics.  
 Annalen der Chemie.  
 Annalen der Physik.  
 Annales de Chimie et de Physique.  
 Annales Scientifiques de l'Ecole Normale  
 Supérieure.  
 Annali di Matematica.  
 Astrophysical Journal.  
 Beiblätter zu den Annalen der Physik.  
 Berichte der deutschen chemischen Gesell-  
 schaft.  
 Bibliotheca Mathematica.  
 Bollettino di Bibliografia e Storia delle  
 Scienze Matematiche.  
 Bulletin de la Société Chimique de France.  
 Bulletin de la Société Mathématique.  
 Bulletin des Sciences Mathématiques.  
 Bulletin of the American Mathematical  
 Society.  
 Cambridge Tracts in Mathematics.  
 Chemical Abstracts.  
 Chemisches Zentralblatt.  
 Giornale di Matematiche.  
 Jahrbuch über die Fortschritte der  
 Mathematik.  
 Jahresbericht der deutschen Mathematiker  
 Vereinigung.

Jahresbericht über die Fortschritte der  
 Chemie.  
 Journal de Mathématiques.  
 Journal de Physique.  
 Journal für die reine und angewandte  
 Mathematik.  
 Journal für praktische Chemie.  
 Journal of the Chemical Society.  
 Journal of Physical Chemistry.  
 Kolloidzeitschrift.  
 Mathematische Annalen.  
 Messenger of Mathematics.  
 Monatshefte für Chemie.  
 Physical Review.  
 Physikalische Zeitschrift.  
 Proceedings of the London Mathematical  
 Society.  
 Quarterly Journal of Mathematics.  
 Rendiconti del Circolo Matematico di  
 Palermo.  
 Science Abstracts.  
 Transactions of the American Mathe-  
 matical Society.  
 \*U. S. Bureau of Standards Bulletin.  
 Zeitschrift für anorganische Chemie.  
 Zeitschrift für Elektrochemie.  
 Zeitschrift für Mathematik und Physik.  
 Zeitschrift für physikalische Chemie.

The library is open daily from eight A. M. to ten P. M. Books may be taken out by the students unless specially reserved for library reference use.

There are in Philadelphia the following important libraries which are available for students:

The *Philadelphia Library Company*, which contains about 242,400 volumes and 30,000 pamphlets, and is at all times open to the students for consultation. Private subscription, for four volumes, \$12 a year, or \$10 for nine months.

The *Mercantile Library*, which contains about 213,400 volumes and 21,800 pamphlets. Private subscription, \$5.00 a year for two separate works at a time.

The *Library of the Academy of Natural Sciences*, which contains about 80,700 volumes. The Council of the Academy has generously conceded the use of its library and of its museum to the students of Bryn Mawr College.

The *Library of the University of Pennsylvania*, which contains about 402,000 volumes and 50,000 pamphlets. The custodians of this library have always shown great courtesy in placing rare volumes at the disposal of the college.

The *Free Library of Philadelphia*, which contains about 510,800 volumes and 215,000 pamphlets, and is at all times open to the students for consultation.

The *American Philosophical Society Library*, which contains about 64,000 volumes, admission by card.

The *Historical Society of Pennsylvania Library*, which contains over 130,000 volumes, and 275,000 pamphlets, is for reference only. Every courtesy is extended to members of the college.

### Examination for Matriculation.

The examination for matriculation must be taken by all who wish to pursue their studies in the undergraduate department of the college, either as candidates for a degree or as students pursuing special courses, with the exception of such applicants for admission as present a certificate of honorable dismissal from some college or university of acknowledged standing.\*

*Examina-  
tion for  
Matricu-  
lation.*

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\* The examinations of the College Entrance Examination Board which are designated by Bryn Mawr College as equivalent to the matriculation examinations of the college will be accepted, subject to the same conditions which govern the Bryn Mawr College examinations.

The passing mark for both sets of examinations is the same, sixty per cent.

The matriculation examination may not be taken in more than two divisions; but, if this rule be observed, candidates may divide the divisions as they please between the examination of Bryn Mawr College and of the College Entrance Examination Board; both divisions may be taken in the Bryn Mawr College examination, or in the examination of the College Entrance Examination Board; or one division may be taken in the Bryn Mawr College examination, and the other in the examination of the College Entrance Examination Board.

Not more than one calendar year and the summer vacation may elapse between the two divisions of the examination for admission. There is no other restriction as to time; for example, candidates may present themselves for the first division of their examination in the spring examination of Bryn Mawr College, held during the last week in May and the first week in June, and for the second division at the examination held by the

The examination for matriculation is open to those also who wish to take it as a test of proficiency in elementary studies, but

College Entrance Examination Board in the fourth week of June of the same year; or if they fail in the spring examination of Bryn Mawr College they may try the same subjects again in the examination of the College Entrance Examination Board three weeks later.

In case a sufficient number of sections to secure admission is not passed in two divisions of the examination the sections taken in one division must be cancelled, and all the sections offered in the cancelled division (except those sections which have been also offered in the division which is to be counted), must be offered again, together with a sufficient number of the sections in which the candidate has been conditioned to ensure her passing in the required number of sections.

Candidates who have passed the fifteen sections necessary for admission may remove conditions by passing the corresponding examinations in the Bryn Mawr College or the College Entrance Examination Board examination; in the case of a condition in French or German, however, the entire examination in the language must be taken, unless the condition is in *grammar only*, in which case it may be removed by passing the Bryn Mawr College examination in grammar; and in the case of a condition in English Composition incurred in the Bryn Mawr College examination the entire examination in English. A and B must be passed in order to remove the condition by passing the College Entrance Examination Board's examination.

Candidates taking the College Entrance Examination Board's examination will not be considered in the awarding of the four Bryn Mawr competitive entrance examination scholarships, unless the final division of the examination be taken in the spring Bryn Mawr College examination. Candidates are not eligible when the finals are taken in the autumn examination.

TABLE OF EQUIVALENT EXAMINATIONS.

| COLLEGE ENTRANCE EXAMINATION<br>BOARD EXAMINATION.                 |   | BRYN MAWR COLLEGE<br>EXAMINATION.                         |                  |
|--|---|---|------------------|
| <i>Subjects.</i>   |   | <i>Subjects.</i>  | <i>Sections.</i> |
| Mathematics: Algebra, A 1, and A 2,<br>taken together.....         | = | Algebra.....  | 2                |
| Mathematics: C.....  | = | Plane Geometry.....                                       | 2                |
| New requirements, Latin: 1 and 6.....                              | = | Latin Grammar and Prose Composi-<br>tion.....             | 1                |
| Old requirements, Latin: P.....                                    | = | Latin Prose Authors.....                                  | 2                |
| Old requirements, Latin: Q.....                                    | = | Latin Poetry.....   | 1                |
| English: 1.....  | = | English Grammar.....                                      | 1                |
| English: 2.....  | = | English Composition.....                                  | 3                |
| History: A or C or D.....  | = | Greek, and Roman, or English, or<br>American History..... | 1                |
| Physics, or Chemistry, or Botany, or<br>Geography, or Zoology..... | = | Science.....  | 1                |
| Greek: F.....  | = | Greek Grammar and Composition....                         | 1                |
| Greek: G.....  | = | Greek Prose Authors.....                                  | 1                |
| Greek: H.....  | = | Greek Poetry.....   | 1                |
| French: A, and combined examination<br>(BC).....                   | = | French Grammar and Translation....                        | 3                |
| German: A, and combined examination<br>(BC).....                   | = | German Grammar and Translation... 3                       |                  |

*Examinations for Advanced Standing.*

|                     |   |                 |
|---------------------|---|-----------------|
| Mathematics: D..... | = | Solid Geometry. |
| Mathematics: E..... | = | Trigonometry.   |
| No Equivalent.....  | = | Minor Latin.    |



have no intention of entering the college. Certificates are given to those who are successful in passing the examination.\*†

Blank forms of application for admission may be obtained from the Secretary of the College.

Examinations are held annually in the spring, autumn, and winter at Bryn Mawr College, and in the spring of the year may be held at other places; they are always held in the spring in Baltimore, Boston, Chicago, New York, Pittsburgh, Portland (Oregon), St. Louis, Richmond, and London (England). Candidates taking examinations at the above mentioned regular examination centres are charged a fee of five dollars for the whole or any part of the examination.

Examinations may also be held by request at other places, but in this case the candidates must defray the whole expense of the examination, the minimum fee being five dollars. In the past ten years examinations have been held by request at the following places:

California: Berkeley, Bonita, Los Angeles, Pasadena, San Francisco, Santa Barbara; Colorado: Denver; Connecticut: Greenwich, Washington, Waterbury; Georgia: Athens, Savannah; Indiana: Fort Wayne, Indianapolis, Terre Haute; Iowa: Davenport, Dubuque; Kentucky: Louisville; Maine: Portland; Maryland: Cantonsville, Cumberland; Massachusetts: Cambridge, Fall River; Michigan: Detroit; Minnesota: Minneapolis; Missouri: St. Louis; Montana: Helena; Nebraska: Omaha; New Jersey: Princeton, Trenton; New York: Binghamton, Buffalo, New Rochelle, Rochester, Rye, Utica; North Carolina: Biltmore; Ohio: Cincinnati, Cleveland, Columbus; Pennsylvania: Bellefonte, Carlisle, Harrisburg, Johnstown, Lititz, Oxford, Pittsburgh, Scranton, Wilkes Barre, York; Rhode Island: Providence; Tennessee: Memphis; Texas: Dallas; Virginia: Richmond; Wisconsin: Fond du Lac, Madison, Milwaukee; and Washington, District of Columbia; France: Paris; Germany: Berlin, Munich; Asia Minor: Tarsus.

Candidates who intend to present themselves for examination

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\* Printed sets of matriculation papers may be obtained for thirty cents from the Secretary of the College.

† For the four competitive entrance scholarships awarded annually see page 185.



at Bryn Mawr College must apply to the Secretary of the College at least two weeks before the date set for the beginning of the examinations and the application should be made on a form to be obtained from the Secretary of the College, and must be accompanied by the fee of five dollars charged for each division of the examination. Candidates who do not apply *two weeks* before the date of the beginning of the examinations will be charged an additional fee of five dollars. Candidates intending to take examinations elsewhere than at Bryn Mawr College must apply to the Secretary of the College at least *six weeks* before the date set for the beginning of the examinations. Candidates who fail to do this will be charged a fee of five dollars in addition to the fee charged for the examination.

*Tabular Statement.*—In order to obtain a certificate of admission to Bryn Mawr College the candidate must be examined in *all*\* the following subjects, counted as equivalent to twenty sections, must take the examination in not more than two divisions, and must pass not fewer than four sections in the first division and not fewer than fifteen sections in the two divisions. No candidate will be admitted to Bryn Mawr College if conditioned in more than five sections.

| <i>Subjects.</i>                         |   | <i>Sections</i>                    |
|--|---|------------------------------------|
| Algebra.....                             |   | 2                                  |
| Plane Geometry.....                      |   | 2                                  |
| Latin Grammar and Prose Composition..... |   | 1                                  |
| Latin Prose Authors.....                 |   | 2                                  |
| Latin Poetry.....                        |   | 1                                  |
| English Grammar.....                     |   | 2                                  |
| English Composition.....                 |   | 2                                  |
| History.....                             |   | 1                                  |
| Science.....                             |   | 1                                  |
| Greek Grammar and Prose Composition..... | 1 | } Two of these three languages.. 6 |
| Greek Prose Authors.....                 | 1 |                                    |
| Greek Poetry.....                        | 1 |                                    |
| German Grammar and Translation.....      | 3 | } 20                               |
| French Grammar and Translation.....      | 3 |                                    |

\* Candidates are expected to show by their papers that all the subjects required for matriculation have been studied for a reasonable length of time. Total failure in the second division of the examination in any subject, when such failure is of a character to indicate that the subject has been presented as a mere form, prevents the candidate from receiving any certificate, unless she can produce satisfactory evidence that the subject in question has been faithfully studied for a reasonable length of time.

The number of sections allotted to each subject indicates approximately the time which should be devoted to preparation for that subject. Thus if, for example, the candidate studies five subjects in each year during the last four years of preparation for college, then Mathematics, Latin, and English should be studied for all four years since each counts as four sections of the examination; History and Science should each be studied for one year since each counts as one section; and the two languages (Greek and German, or Greek and French, or German and French) should be studied for three years since each counts as three sections, or three-twentieths, of the examination.

The examination may not be taken in more than two divisions. In each division the candidate may offer any sections she pleases, provided that she offer in the first division a sufficient number of sections (at least four) to secure a certificate.

If more than one calendar year and the summer vacation elapse between the two divisions of the examination for admission the first division is cancelled and must be repeated. In case a sufficient number of sections to secure admission be not passed in two divisions of the examination the sections taken in one division must be cancelled, and all the sections offered in the cancelled division (except those sections which have been offered in the division which is to be counted) must be offered again, together with a sufficient number of the sections in which the candidate has been conditioned to ensure her passing in the required number of sections.

Candidates that have passed the fifteen sections necessary for admission may remove conditions by passing the corresponding examinations before or after entering the college. All entrance conditions must be passed off within the first semester after the student enters the college, under penalty of exclusion from full college work during the second semester. All students who have not passed off all their entrance conditions at the end of their second semester will be excluded from the college for one year with the exception of those conditioned in only one section who are permitted to pass it off in September. A fee of three dollars is charged for each condition examination except conditions in punctuation for which the fee is one dollar. Students with entrance conditions in Greek, Latin, English, German, French, or Mathematics are not permitted to attend the college courses in these subjects until the conditions have been passed off. Conditions in history and science do not exclude students from college classes in these subjects.

Candidates desiring to enter with advanced standing *may* offer for examination before or at entrance the remaining language (either French, or German, or Greek,\* whichever was

\* Students that have not passed the matriculation examination in Greek may substitute for it the matriculation course in Greek or the minor course in Latin. The minor course in Latin may also be offered for examination by candidates for matriculation that desire to enter the college with advanced standing, and, at their discretion, by matriculated students without attendance on the college classes, provided it is offered before the close of the matriculation examinations at the beginning of the student's junior year. The minor course is considered for this purpose as comprising two sections. No substitutions are allowed for any part of the following requirements, except in the case of students entering with advanced standing from other colleges:

A. Cicero, *Selected Letters*, 1, 2, 3, 5, 6, 7, 8, 10, 11, 16, 17, 19, 20, 21, 22, 23, 24, 25, 30, 31, 33, 37, 38, 39, 42, 44, 45, 47, 49, 52, 75, 76, 91, 92 (*Letters of Cicero*, edited by F. F. Abbott, Boston, Ginn and Company), Terence, *Phormio*, *Adelphoe* and *Andria* or by special request registered three months before the examination, Livy, *Book xxi.*, Latin Prose Composition, including a detailed knowledge of the more abstruse Latin constructions and some facility in turning simple English narrative into Latin. The examination in Livy and Composition is given only when the candidate furnishes proof that she was unable to secure preparation in Terence.

B. Horace, *Odes*, except i. 25, 27, 33, 36; ii. 5; iii. 6, 15, 20; iv. 1, 10, 13; *Epodes* except 3, 5, 8, 11, 12, 15, 17; *Carmen Sæculare*; *Satires* i. 1, 5, 6, 9; ii. 6; *Epistles* i. 1, 5, 6, 7, 8, 10, 14, 20.

There are two examinations, one in Section A and one in Section B, each three hours \*

not included by the candidate in the above twenty sections), and if this examination is not passed before entrance, the candidate must pass the matriculation examination in it before receiving the degree of Bachelor of Arts.\*

Candidates desiring to enter with advanced standing may offer for examination before entrance trigonometry† and solid geometry. These subjects are not necessarily included in the requirements for the degree of Bachelor of Arts, but students that have passed these examinations are credited with the equivalent number of hours of free elective work, each examination counting for this purpose as equivalent to two hours a week of free electives for one semester. Such advanced standing examinations will enable the student to lighten her work in college or to enlarge her choice of elective studies, but will not enable her to shorten the time of obtaining the bachelor's degree which represents in every case four years of study in collegiate classes.

### *Definition of Matriculation Subjects.*

*Mathematics.* **I. Mathematics.**—Algebra. (Counting as two sections.) Plane Geometry. (Counting as two sections.)

The examination in Algebra comprises Elementary Operations, Quadratic Equations, Problems, Ratio, Proportion, Variation, Arithmetical and Geometrical Progressions, the Binomial Theorem for Positive Integral Exponents.

While there is no formal examination in Arithmetic, an adequate knowledge of the subject is required throughout the mathematical examinations; in *all* the papers there are some numerical problems, and the correct solution of a fair number of these is regarded as essential. So many good text books are available in both Algebra and Plane Geometry that no special books are recommended. The following are mentioned simply as an indication of the preparation required for these examinations:

C. Smith's *Elementary Algebra* (American edition, revised by Irving Stringham); Phillips and Fisher's *Elements of Geometry* (abridged edition); Wentworth's *Geometry*.

*Latin.* **II. Latin.**—Grammar and Composition. (Counting as one section.) Translation at sight of simple passages in Latin prose. (Counting as two sections.) Translation at sight of simple passages of Latin poetry. (Count-

ing as two sections.) These examinations may be taken in different years, and in the order preferred by the candidate; or one section may be studied in the corresponding college class, and the other offered for examination without attending the class. Examinations in Minor Latin are held only at the time of the regular matriculation examinations at the beginning and end of the college year, and in February.

\* If this examination is not passed before the beginning of the student's third year in the college, she must attend the college class in the subject, or in Minor Latin, the substitute for Greek, in her third year.

† For examinations in the College Entrance Examination Board equivalent to those which may be offered for advanced standing, see page 162.



ing as one section.) Due allowance is made for unusual words, and there are questions testing the candidate's practical knowledge of grammar and prosody.

The Latin read in preparation may be selected from Cæsar (*Galic War and Civil War*), Nepos (*Lives*), Cicero (*Orations, Letters, and De senctute*), Sallust (*Catiline and Jugurtha*), Vergil (*Æneid, Bucolics, and Georgics*), and Ovid (*Metamorphoses, Fasti, and Tristia*). The amount to be read should not be less than that contained in Cæsar, *Galic War*, I-IV, Cicero, *Manilian Law, Archias*, and four *Orations against Catiline*, and Vergil, *Æneid, I-VI*. The vocabulary, syntax, and thought of the sight passages will be adapted as closely as possible to the knowledge gained by a careful reading of the required amount of Latin. The paper in Grammar and Composition demands a knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in schools.

**III. History.**—The outlines of the History of Greece and Rome; or *History*. the outlines of the History of England; or the outlines of the History of the United States. (Counting as one section.)

Botsford's *History of the Ancient World*, West's *Ancient History*, Goodspeed's *History of the Ancient World* (revised edition) and if possible some use of Botsford's *Source Book of Ancient History*, Andrews' *History of England*, Cheyney's *A Short History of England*, and McLaughlin's *History of the American Nation*, Adams and Trent's *History of the United States*, or Andrews' *History of the United States*, will serve to indicate the preparation required.

**English.**—English Grammar. (Counting as one section.) English *English*. Composition. (Counting as three sections.) The examinations in grammar and composition may be divided and may be taken in either division of the entrance examination. The examination in English Grammar consists of the correction of passages of incorrect English. Questions will be asked to test the candidate's knowledge of the grammatical principles involved in the corrections, in especial concerning the details of sentence structure. The examination in English Composition consists of a critical composition of 350 words, and in addition, of one or two paragraphs in which the candidate is asked to give in a descriptive or narrative form the substance of important parts of the required reading.

In 1915 and 1916 and the winter of 1917 candidates must be familiar with the following books agreed on by the Associations of the Colleges and Schools of the New England States, the Middle States and Maryland, the North Central States, and the Southern States: Shakespeare's *A Midsummer Night's Dream, The Merchant of Venice, Julius Cæsar*, and *Macbeth*; Milton's *L'Allegro, Il Penseroso*, and *Comus*; the *Sir Roger de Coverley Papers* in the *Spectator*; Gray's *Elegy in a Country Churchyard*; Burke's *Speech on Conciliation with America*; Palgrave's *Golden Treasury* (first series), Book IV, with special attention to Wordsworth, Keats, and Shelley; Coleridge's *Ancient Mariner*; Scott's *Ivanhoe*; Thackeray's *Henry Esmond*; Hawthorne's *House of the Seven Gables*; Macaulay's *Life of Johnson*; Tennyson's *Passing of Arthur*; Arnold's *Sohrab and Rustum*; Browning's *Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, Hervé Riel, Pheidippides, My Last Duchess, Up at a Villa—Down in the City*; Stevenson's *Inland Voyage and Travels with a Donkey*.

In 1917 spring and autumn examinations, 1918, and the winter of 1919 candidates must be familiar with the following books agreed on by the Associations of the Colleges and Schools of the New England States, the Middle States and Maryland, the North Central



States, and the Southern States: Shakespeare's *As You Like It*, *The Merchant of Venice*, *Julius Caesar*, and *Macbeth*; Milton's *L'Allegro*, *Il Penseroso*, and *Comus*; the *Sir Roger de Coverley Papers in the Spectator*; Gray's *Elegy in a Country Churchyard*; Burke's *Speech on Conciliation with America*; Palgrave's *Golden Treasury* (first series), Book IV, with special attention to Wordsworth, Keats, and Shelley; Coleridge's *Ancient Mariner*; Scott's *Jeanhoe*; Thackeray's *Henry Esmond*; Hawthorne's *House of the Seven Gables*; Macaulay's *Essay on Milton*; Tennyson's *Passing of Arthur*; Arnold's *Sohrab and Rustum*; Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*; *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Heré Riel*, *Phedippides*, *My Last Duchess*, *Up at a Villa—Down in the City*; Stevenson's *Inland Voyage* and *Travels with a Donkey*.

In preparing for this examination special attention should be given to the structure of the whole composition, and the analysis of model essays, for example Arnold's *Essay on Gray*, is recommended. Robins and Perkins's *Introduction to the Study of Rhetoric*, Hill's *Foundations of Rhetoric*, Abbott's *How to Write Clearly*, and Bigelow's *Handbook of Punctuation*, will serve to indicate the preparation required for paragraph structure, sentence structure, and punctuation.

**Science.** **Science.**—The elements of one of the following sciences:—Physics, or Chemistry, or Botany, or Physiology, or Physical Geography. (Counting as one section.)

Mann and Twiss's *Physics*; or Millikan and Gale's *A First Course in Physics*; Remsen's *Introduction to the Study of Chemistry* (Briefer Course) or Alexander Smith's *Text-book of Elementary Chemistry*; Atkinson's *Elementary Botany* or Barnes's *Plant Life* or Bergen and Davis's *Principles of Botany* used in connection with Spalding's *Introduction to Botany*, or Caldwell's *Plant Morphology*; Hough and Sedgwick's *Human Mechanism* with laboratory work recommended, Davis's *Elementary Physical Geography*, Gilbert and Brigham's *Introduction to Physical Geography*, Dryer's *Lessons in Physical Geography*, and Salisbury's *Physiography*, will serve to indicate the preparation required. Candidates are advised, whenever possible, to offer Physics, as this study forms the best basis for scientific work. It is recommended that candidates should have some knowledge of the metric system.

#### IV. Two of the following languages:

**Greek.** **Greek.**—Grammar and Composition. Very simple prose composition with words and construction taken from Xenophon's *Anabasis*. (Counting as one section.) Translation at sight of simple passages in Attic prose, such as Xenophon's *Anabasis* or *Memorabilia*. (Counting as one section.) Translation at sight of passages of average difficulty from Homer. (Counting as one section.) Due allowance is made for unusual words and there are questions testing the candidate's practical knowledge of grammar and prosody.

White's *First Greek Book* will serve to indicate the preparation required in prose composition.

**French.** **French.**—Grammar and Composition. (Counting as one section.) This is to test the candidate's knowledge of ordinary grammatical forms Prose and Verse Translation. (Counting as two sections.) This is a test of the candidate's power to read at sight ordinary French prose and verse.

For the examination in reading no texts are assigned, the examination being intended to test the candidate's ability to read any ordinary French whatsoever. Candidates

preparing for these examinations are advised to acquire as large a vocabulary as possible; they are further advised in their study of verbs to concentrate their attention on the regular verbs, the auxiliaries *être*, *avoir*, such important irregular verbs as *aller*, *devoir*, *dire*, *faire*, *mettre*, *prendre*, *pouvoir*, *vouloir*, *tenir*, *venir*, *voir*, *écrire*, *lire*, *croire*, *boire*, and the typical verbs *conduire*, *craindre*, *paraître*, *partir*, and to acquire a fair knowledge of the use of the various past tenses and of the rules of the subjunctive.

Teachers preparing students that wish to elect French in the college are advised to train their pupils to write French from dictation in order to enable them to understand lectures delivered in French.

**German.**—Grammar and Composition. (Counting as one section.) *German.* This is to test the candidate's knowledge of ordinary grammatical forms. Prose and Verse Translation. (Counting as two sections.) This is a test of the candidate's power to read at sight ordinary German prose and verse.

For the examination in reading no texts are assigned, the examination being intended to test the candidate's ability to read any ordinary German. Candidates should endeavour to acquire as large a vocabulary as possible; they are also advised to study the German forms and constructions.

Candidates who intend to continue the study of German in the college should be prepared to understand lectures delivered in German.

### Requirements for Degrees.

Every candidate for the degree of Bachelor of Arts must have passed examinations on work amounting to one hundred and twenty hours\* and must have obtained an examination grade above that of "passed," that is, the grade of merit,† (seventy per cent) or over, on half of these one hundred and twenty hours; she must also possess at the time of graduation a reading knowledge of French and German and some acquaint-

*Studies  
Leading  
to the  
Degree of  
Bachelor  
of Arts.*

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\* The word hour here means one hour a week for one semester. In calculating the standing of students under this rule every course offered for examination, including the fourth language, trigonometry, and solid geometry when offered for advanced standing in the matriculation examination, must be included except as explained below. A grade once obtained in an examination may not be cancelled, the first one hundred and twenty hours of examinations offered qualifying, or disqualifying, for a degree. Grades received on examinations offered for work not taken in the college classes must be counted in these one hundred and twenty hours, except in the case of students who enter with advanced standing from other colleges, and give notice within the first two weeks after their entrance of a desire to offer for examination subjects already pursued. Such students will, in case they fail in these examinations, be granted the privilege of cancelling them so that they shall not count in estimating their standing under the merit law, provided they enter the corresponding courses as regular students without attempting to pass off the conditions incurred. A similar privilege will be granted to students who offer trigonometry or solid geometry or a fourth language in the matriculation examination *before* entering the college and also to students who offer proof within two weeks after entering the college that they have studied these subjects in school or college classes or under private tuition. These students are not required to enter the corresponding college classes provided they fail in the examination.

† Since this merit law was enacted no student who has not fulfilled the requirements as above stated has received a degree.

ance with Latin. In the last year before graduation, oral examinations are held to test her ability to read French and German at sight. She must have been in attendance on college classes in Bryn Mawr College, or in some other college of high standing, for a period of four years;\* she must have fulfilled the requirements of the department of athletics and gymnastics.

If a student at the end of her junior year, or in February of her senior year, has received a grade *below* seventy per cent in as many as one-half of the hours that she has offered for examination of the one hundred and twenty required for the degree, she will not be allowed to graduate at the end of her senior year; but if she wishes to continue her studies at Bryn Mawr College, must plan to remain for an additional year or for a longer period. She will be on probation during this time and her work will be prescribed by a committee of the Faculty, the object being to enable her to improve the quality of her work so that she may not ultimately be disqualified by her grades from obtaining a degree.

No student who has received a grade below seventy per cent in as many as one-half of the hours that she has taken of the 120 hours required for her degree will be permitted to hold office in any of the organizations of the college, to take part in any entertainment requiring preparation, or to undertake any paid work.

The following course of study must be pursued by every candidate for the degree of Bachelor of Arts:

*Required Studies.* *Greek or French or German*,† five hours a week for one year, when this subject has not been included in the examination for matriculation. These students, however, who wish to omit Greek may substitute for the required course in Greek the minor course in Latin.‡

*English*, five hours a week for two years.

*Philosophy and Psychology*, five hours a week for one year.

*Science*, five hours a week for one year.

*Science*, or *History*, or *Economics and Politics*, or *Philosophy*, or *Psychology*, or *Mathematics*, five hours a week for one year.

\* Work in summer schools of colleges and universities may not be substituted for work of the regular college year.

† The College provides matriculation classes, five hours a week throughout one year, for those students who in the examination for matriculation may have omitted Greek, French, or German. Attendance on these classes is not obligatory before the beginning of the junior year, the student being free until then to make good her deficiencies by private study.

‡ A student choosing Latin as one of the languages of her group, and not wishing to study Greek, may substitute for the year of minor Latin five hours a week for one year of post-major Latin, or a year of French, or German, or Italian, or Spanish.



*Two Major Courses*, of five hours a week for two years each, constituting one of the following groups: any Language with any Language;\* Latin or Greek with Ancient History; Ancient History with Classical Archaeology; Modern History with Economics and Politics, or with German, or French, or History of Art; Philosophy or Psychology, or Philosophy and Psychology† with Greek, or English, or Economics and Politics, or Mathematics, or Physics; Philosophy with Latin or Psychology; Psychology with Biology; Classical Archaeology with Greek, or Latin; History of Art with French, or German, or Italian, or Spanish;\* Mathematics with Greek, or Latin, or Physics, or Chemistry, or Geology, or Biology; any Science with any Science.

*Free Elective Courses*, amounting to ten hours a week for one year, to be chosen by the student. It should be noted that a single study may be taken as a free elective, without electing the group that includes it, and any courses open as free electives, may be chosen without taking the remainder of the minor course of which they may form a part. *Free Elective Courses.*

The studies required for a degree may for convenience be tabulated as follows:

*Tabular Statement.*

*Required Courses (Five hours a week for One Year Each).*

| 1 and 2.                   | 3.                               | 4.   | 5.  | 6.‡   |
|----------------------------|----------------------------------|--|---|---|
| English.<br>[Two Courses.] | Philosophy<br>and<br>Psychology. | Science:<br>Physics,<br>or<br>Chemistry,<br>or<br>Geology,<br>or<br>Biology. | Science,<br>or<br>History,§<br>or<br>Economics and<br>Politics,<br>or<br>Philosophy, or<br>Psychology, or<br>Mathematics. | Matriculation<br>French,<br>or<br>Matriculation<br>German,<br>or<br>Matriculation<br>Greek (or<br>Minor Latin). |

\* For the purpose of forming a group, Italian and Spanish may count as one language; they may be combined so as to form a course of five hours a week for two years.

† For the purpose of forming a group, philosophy and psychology may be combined so as to form a course of five hours a week for two years.

‡ The College provides matriculation classes, five hours a week throughout one year, for those students who in the examination for matriculation may have omitted Greek, French, or German. Attendance on these classes is not obligatory before the beginning of the junior year, the student being free until then to make good her deficiencies by private study. Students not wishing to study Greek may substitute the college course in minor Latin or the advanced standing examination in minor Latin for the examination in matriculation Greek. Minor Latin may not be offered for examination without attending the college class after the close of the matriculation examinations at the beginning of the junior year.

§ A student electing modern history as one of her group subjects and offering history in place of the second year of science must offer five hours of post-major work in this subject.



*Two Major Courses (Five hours a week for Two Years Each).*

Constituting any one of the following sixty-three groups:

|   |   |  |  |
|---|---|--|--|
| I—XX.<br>Any Language<br>with<br>any Language*<br>(Twenty Groups).  | XXI.<br>Ancient<br>History<br>with<br>Greek.                | XXII.<br>Ancient<br>History<br>with<br>Latin.                    | XXIII.<br>Ancient<br>History<br>with<br>Classical<br>Archæology.         |
| XXIV.<br>Modern<br>History<br>with<br>Economics<br>and<br>Politics. | XXV.<br>Modern<br>History<br>with<br>German.                | XXVI.<br>Modern<br>History<br>with<br>French.                    | XXVII.<br>Modern<br>History<br>with<br>History<br>of Art.                |
| XXVIII.<br>Economics and<br>Politics with<br>Philosophy.            | XXIX.<br>Philosophy<br>with<br>Greek.                       | XXX.<br>Philosophy<br>with<br>Latin.                             | XXXI.<br>Philosophy<br>with<br>English.                                  |
| XXXII.<br>Philosophy.<br>with<br>Psychology.                        | XXXIII.<br>Philosophy<br>with<br>Mathematics.               | XXXIV.<br>Philosophy<br>with<br>Physics.                         | XXXV.<br>Philosophy and<br>Psychology<br>with Economics<br>and Politics. |
| XXXVI.<br>Philosophy and<br>Psychology<br>with<br>Greek.            | XXXVII.<br>Philosophy and<br>Psychology<br>with<br>English. | XXXVIII.<br>Philosophy and<br>Psychology<br>with<br>Mathematics. | XXXIX.<br>Philosophy and<br>Psychology<br>with<br>Physics.               |
| XL.<br>Psychology with<br>Economics and<br>Politics.                | XLI.<br>Psychology<br>with<br>Greek.                        | XLII.<br>Psychology<br>with<br>English.                          | XLIII.<br>Psychology<br>with<br>Mathematics.                             |
| XLIV.<br>Psychology<br>with<br>Physics.                             | XLV.<br>Psychology<br>with<br>Biology.                      | XLVI.<br>Classical<br>Archæology<br>with Greek.                  | XLVII.<br>Classical<br>Archæology<br>with Latin.                         |

\* For the purpose of forming a group, Italian and Spanish may count as one language; they may be combined so as to form a course of five hours a week for two years.

|   |   |   |  |
|---|---|---|--|
| XLVIII.<br>History<br>of Art<br>with<br>German. | XLIX.<br>History<br>of Art<br>with<br>French. | L.<br>History<br>of Art<br>with<br>Italian.                         | LI.<br>History<br>of Art<br>with<br>Spanish. |
| LII.<br>Mathematics<br>with<br>Greek.           | LIII.<br>Mathematics<br>with<br>Latin.        | LIV.<br>Mathematics<br>with<br>Physics.                             | LV.<br>Mathematics<br>with<br>Chemistry.     |
| LVI.<br>Mathematics<br>with<br>Geology.         | LVII.<br>Mathematics<br>with<br>Biology.      | LVIII-LXIII.<br>Any Science<br>with<br>any Science<br>(Six Groups). |  |

*Free Elective Courses.*

Ten hours a week for one year in any subject, or subjects, the student may elect.

The following may serve as examples of some of the many combinations of studies that may be made by those candidates for a degree who wish to specialise as far as possible in particular departments: Matriculation French, Matriculation German, Matriculation Greek, and Minor Latin are bracketed as being subjects that may be included in the examination for matriculation. These bracketed courses may be offered for examination before the beginning of the junior year without attendance on the college classes, but this is not advised on account of their difficulty.

CLASSICS. *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Philosophy, or Minor Mathematics). *As a Group*, Greek and Latin. *As Free Electives*, Post-major Greek and Latin, or Classical Archæology, ten hours a week for one year.

MODERN LANGUAGES (other than English). *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Mathematics). *As a Group*,

German and French, *or* German and Italian and Spanish, *or* French and Italian and Spanish. *As Free Electives*, Italian and Spanish, *or* Post-major French *or* German, ten hours a week for one year.

ENGLISH. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Modern, *or* Ancient History, *or* Minor Economics and Politics, *or* Minor Philosophy). *As a Group*, Greek and English, *or* Latin and English, *or* English and German, *or* English and French, *or* English and Italian and Spanish, *or* English and Spanish, *or* English and Philosophy. *As Free Electives*, Latin and German, ten hours a week for one year.

MATHEMATICS (with Greek). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek], English, Philosophy, Physics, another Science, (*or* Post-major Mathematics, *or* Modern *or* Ancient History, *or* Minor Psychology). *As a Group*, Mathematics and Greek. *As Free Electives*, Post-major Mathematics and Post-major Greek, ten hours a week for one year.

MATHEMATICS (with Physics). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Chemistry, another Science (Geology, *or* Biology), *or* Post-major Mathematics. *As a Group*, Mathematics and Physics. *As Free Electives*, Post-major Mathematics and Post-major Physics, ten hours a week for one year.

MODERN HISTORY. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, any Science, another Science, *or* Post-major History, *or* Economics and Politics, *or* Minor Philosophy, *or* Mathematics). *As a Group*, Modern History and Economics and Politics. *As Free Electives*, Post-major Modern History and Post-major Economics and Politics, ten hours a week for one year.

PHILOSOPHY (with Greek). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Modern, *or* Ancient History, *or* Minor Economics and Politics, *or* Minor Mathematics). *As a Group*, Greek and Philosophy. *As Free Electives*, Post-major Greek and Minor Psychology ten hours a week for one year.

PHILOSOPHY (with English). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Modern, *or* Ancient History, *or* Minor Economics and Politics). *As a Group*, English and Philosophy. *As Free Electives*, Psychology and English, ten hours a week for one year.

**MODERN EUROPEAN HISTORY** (with French). *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Psychology, or Minor Economics and Politics, or Minor Philosophy, or Minor Mathematics). *As a Group*, Modern European History and French. *As Free Electives*, Post-major French and Post-major Modern History.

**PHILOSOPHY or PSYCHOLOGY** (with Economics and Politics, or with Mathematics, or with Physics). *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History). *As a Group*, Philosophy or Psychology with Economics and Politics, or with Mathematics, or with Physics. *As Free Electives*, Post-major Economics, or Mathematics, or Physics, ten hours a week for one year.

**CLASSICAL ARCHÆOLOGY** (with Greek). *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek], English, Philosophy, Science (Physics, or Chemistry, or Biology, or Geology), another Science, (or Modern, or Ancient History, or Minor Philosophy, or Mathematics). *As a Group*, Greek and Classical Archæology. *As Free Electives*, History of Art, or Post-major Greek, or Minor Latin, ten hours a week for one year.

**SCIENCE.** *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Philosophy, or Minor Mathematics, or Elective Mathematics). *As a Group*, Physics and Chemistry, or Physics and Geology, or Physics and Biology, or Chemistry and Geology, or Chemistry and Biology, or Geology and Biology. *As Free Electives*, Mathematics and Physics, or Chemistry, or Geology, or Biology, ten hours a week for one year.

**PRELIMINARY MEDICAL COURSE.** *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Minor Physics, Major Physics. *As a Group*, Chemistry and Biology. *As Free Electives*, Post-major Biology and Post-major Chemistry, or Minor Latin, (if not taken as a required study) ten hours a week for one year.

**PREPARATION FOR SOCIAL SERVICE.** *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Minor and Major Biology. *As a Group*, Economics and Politics and Philosophy. *As Free Electives*, Post-major Economics and Politics, or Modern History, or Mathematics.



The following combinations may be adopted by those who wish to pursue a three years' course in history, economics and politics, or science, or English, yet do not wish to elect an historical, or economic, or a scientific or language group.

I. *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, any Science, Modern History. *As a Group*, any Language with any language, or Chemistry and Biology. *As Free Electives*, Ancient History, five hours a week for one year, and Major Modern History five hours a week for one year.

II. *As above*, but for Modern History substitute Minor Economics and Politics, and for Ancient History, Major Economics and Politics, and for Major Modern History, Post-major Economics and Politics.

III. *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Physics and Chemistry, or Geology, or Biology. *As a Group*, any Language with any language. *As Free Electives*, Major and Post-major Physics, or Chemistry, or Geology, or Biology, five hours a week for two years.

IV. *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Philosophy, or Minor Mathematics). *As a Group*, Greek and Latin. *As Free Electives*, Minor and Major English, five hours a week for two years.

Every undergraduate student is expected to consult the Dean of the College in regard to the details and best arrangement of her various studies, and to register her course of study in the president's office before entering upon college work. Regular attendance of classes is required.

The studies leading to the degree of Bachelor of Arts, may, as a rule, be taken in any order preferred by the student, but students are advised to plan their work carefully in advance with reference to the lecture schedule in order that a conflict of hours may not later in their course prevent them from electing all the studies which they desire. Students who elect English as a major study, for example, must take the general English literature lectures and essay work in their first and second years in the college because they are required to complete this work before entering the major course in English. Students choosing a scientific group, such as chemistry and

biology, must arrange their courses so as to avoid conflicts in the hours for laboratory work. Trigonometry is required for the work of the major year of the group course in physics.

Those students who have not decided on their group may in the first year pursue required studies only, or may elect one of the courses belonging to the group to which they most incline, with the understanding that if they should desire to change their group that course will be counted as a free elective; those students whose tastes are already fully formed, or who are uncertain how many years they shall remain in college, may enter at once on free elective studies and on the study of both subjects of their group. There are obvious advantages for the student in deferring as long as possible the choice of her free electives and her group, inasmuch as the required studies, by accustoming her to the methods of laboratory work, and to the study of languages, literature, and history, afford her every opportunity of ascertaining her true tastes and aptitudes.

The students are not divided into the traditional college classes and there is no limit of time for graduation; in order to pursue a wider course of reading in connection with single subjects, or to attend a greater variety of lectures, the ablest students may choose to defer graduation; personal considerations only determine the time spent in completing the studies required for a degree. Nevertheless these requirements constitute strictly a four years' course; that is to say, if the time given to lectures and class work be, as is usual, fifteen hours a week, a student passing the ordinary matriculation examination, and availing herself of the preliminary courses of the college in the subjects which that examination did not include, in all cases requires precisely four years. To give more time for advanced studies and to lighten the college course, students are permitted to take examinations in certain subjects included in the course without attending the college classes in these subjects. Trigonometry, solid geometry, and the fourth language (Matriculation French, or German, or Greek, or Minor Latin) may be taken in this way if offered not later than the beginning of the junior year. A student who can furnish proof that she has acquired advanced knowledge of German or French by attendance on

regular advanced classes conducted by a school, or college, or by visiting teachers, or by residence abroad, or by study under German or French governesses at home, is permitted to take examinations for advanced standing in reading and composition in these languages, but only in the first three weeks after entering college. Students entering college at the beginning of the second semester are not permitted to register for more than fifteen hours of college work, or to offer advanced standing examinations in order to complete the work required for a degree in less than four years.

*Studies  
Leading  
to a  
Second  
Degree.*

Graduates of Bryn Mawr College, and graduates of other colleges who shall have satisfied the Academic Council that the course of study for which they have received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degree of Doctor of Philosophy and Master of Arts; admission to the graduate school does not in itself qualify a student to become a candidate for this degree. A separate degree of Master of Arts is open to graduates of Bryn Mawr College, but to them only.

*The Degree  
of  
Master of  
Arts.*

The candidate for the degree of Master of Arts must be a Bachelor of Arts of Bryn Mawr College and must have worked as a graduate student at Bryn Mawr College for a full year\* during which at least two-thirds of her time must have been devoted to advanced work in closely related lines according to a course of study approved by the Graduate Committee of the Academic Council. The candidate must submit her proposed course of study for the approval of this committee before the third week in October. She must pass a special written examination on each subject to the satisfaction of the department in which she has studied, and must announce her candidacy for the degree to the President not later than the first day of May in the academic year in which the degree is to be conferred.

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\* It is understood that the work done for the degree of Master of Arts does not necessarily count as a full year towards the degree of Doctor of Philosophy and Master of Arts.



*The Degree  
of  
Doctor of  
Philosophy  
and  
Master of  
Arts.*

The degree of Doctor of Philosophy and Master of Arts may be conferred upon graduates of Bryn Mawr College, and upon graduates of other colleges who shall have satisfied the Academic Council either that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or that it has been adequately supplemented by subsequent study. The degree is given to no one who cannot read French and German, or who is unacquainted with Latin. The degree of Doctor of Philosophy will in no case be conferred by the College as an honorary degree.

#### REQUIREMENTS.

1. *Time.*—The earliest date at which the Ph.D. degree may be taken is three years after graduation, but the element of time is subordinate to the other requirements. The minimum of three years will usually be exceeded.

2. *Residence.*—The candidate must devote to graduate work the equivalent of three full years, of which at least two must be at Bryn Mawr, and the third if not at Bryn Mawr at some other college or university approved by the Graduate Committee.

3. *Subjects.*—The course of study shall consist of one major subject and two minor subjects, of which one (the associated minor) shall be in the same department as the major subject, or in a closely allied department specified in the printed requirements; the other (the independent minor) shall complete a combination authorised in the printed requirements. Certain combinations will permit the independent minor to be taken in the same department as the associated minor, when this is not in the same department as the major subject. The printed list of independent minors shall consist of subjects that are recommended, and the Graduate Committee shall have power to accept subjects not specified in the list.

4. *Courses.*—During the three years devoted to graduate work the candidate shall take a certain number of seminars stated below; in case any part of the three years is spent at some other college or university, the Graduate Committee shall determine the Bryn Mawr equivalents of the courses there taken.

In the major subject together with the associated minor the candidate shall take during each of three years one journal club and two seminars, or graduate courses recognised by the Graduate Committee as seminars;\* in the independent minor she shall take for one year two seminars, or graduate courses recognised as seminars. The division of the seminars

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\* A course will not be regarded as equivalent to a seminary unless it requires about sixteen hours a week of the student's time.



between the major and the associated minor shall be subject to the approval of the Supervising Committee. In no case shall less than two seminars and one journal club for two years be taken in the major subject.

The required courses may be spread over more than three years; but the student may not take four required seminars with one instructor unless authorized by the Graduate Committee.

No post-major work or work equivalent to post-major shall count towards the degree, even though a candidate may be obliged to take such work in order to supplement her preparation in her subjects, except in the case of such courses in science as shall be designated in the calendar and accepted by the Graduate Committee as equivalent to graduate seminars in virtue of assigned supplementary reading or laboratory work or both.

Of the courses required in the major and associated minor, two seminars and one journal club for at least two years must be taken before the Preliminary Examination, as well as the whole of the work in the independent minor. All must be completed before the Final Examination.

5. *Dissertation.*—The dissertation must be the result of independent investigation in the field covered by the major subject, under such direction as may be necessary; it must contain new results, arguments, or conclusions, or it must present accepted results in a new light. It must be published within three years from the Commencement after the candidate has passed the Final Examination, unless a special extension of time is granted by the Graduate Committee; and 150 copies (including the vita, of which two must be bound in a specified manner, must then be supplied to the College. The candidate shall not be entitled to use the degree until her dissertation shall have been published in approved form.

6. *Examinations.*—The progress and attainments of the candidate shall be tested by examinations as explained in the printed regulations.

*Registration.*—Before an applicant for the degree of Ph.D. can be admitted as a candidate she must submit\* to the Graduate Committee in writing an account of her general preparation, stating in particular the extent of her knowledge of Latin, French, and German; stating also the subjects she wishes to offer as major and minors for the degree, and the amount and character of the work already done in these subjects. If this statement is satisfactory she will be registered as a candidate. When the Graduate Committee decides that the candidate's preparation is in any way insufficient she will be required to undertake suitable extra work.

### *Tuition for Under- graduate Students.*

For undergraduate students and hearers the charge for tuition is two hundred dollars a year, payable in advance.† The average cost of teaching each undergraduate student is over

\* Using the application blank issued by the Graduate Committee.

† Students that intend to take the degree of Bachelor of Arts in February will be charged only one half the regular tuition fee if they register this intention in the comptroller's office before beginning their college work, provided their entire academic work can be completed in the first semester.

four hundred dollars a year. The tuition fee has been fixed at two hundred dollars in order not to exclude those unable to pay the entire amount but the difference between the actual cost and the price of tuition must be met from the small endowment funds of the college and from outside gifts. Voluntary contributions from parents or students able and willing to pay the whole or any part of this additional two hundred dollars will be credited as a gift towards the college salaries for teaching. No reduction of the charge of two hundred dollars can be made on account of absence, illness, dismissal during the currency of a semester, term, or year, or for any other reason whatever and no refunding will be made on account of any said causes in case of a payment in advance.

Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

For undergraduate students there is an additional charge of ten dollars a semester for materials and apparatus for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

In courses in Geology each hour of field work is counted as one hour of laboratory work. Not more than one laboratory course is required of candidates for a degree.

Residence in the college buildings is required of all undergraduate students except those who reside with their families in Philadelphia or in the neighborhood. The expense of board and residence in the college halls for undergraduate students is three hundred and twenty-five dollars a year and upwards, according to the room or rooms occupied by the student; in about one-third of the college rooms the expense of board and residence is three hundred and twenty-five or four hundred dollars. Of this charge two hundred and twenty-five dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expense of furnishing, service, heating, and light.\*

The health of the students is under the charge of a Health Committee consisting of the President, the Dean of the College, the Director of Athletics, and the Physicians of the College. See pages 147 to 148 of this Calendar.

*Residence  
for  
Under-  
graduate  
Students.*

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\* Rugs and towels must be furnished by the students themselves.

Every student entering the college will be vaccinated unless she can furnish satisfactory proof that she has been successfully vaccinated not more than two years previously.

The conduct of the students in all matters not purely academic, or affecting the management of the halls of residence, or the student body as a whole, is in the hands of the Students Association for Self-Government, which was organized in 1892. All persons studying in Bryn Mawr College, whether graduates or undergraduates, are members of this association.

The College reserves the right to exclude at any time students whose conduct or academic standing renders them undesirable members of the college community, and in such cases the fees due or which may have been paid in advance to the college will not be refunded or remitted in whole or in part.

Plans and descriptions of the academic buildings and of the halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall West, Pembroke Hall East, and Rockefeller Hall, with a full account of the halls and tariff of rooms, are published as Part 4 of the Bryn Mawr College Calendar and may be obtained by application to the Secretary of the College. Each of the halls of residence (except Pembroke, which has a common dining-hall and kitchen for the two wings) has its separate kitchen and dining-hall, provides accommodation for from sixty to seventy students, and is under the charge of a resident warden. Application for rooms should be made as early as possible. The demand for rooms is very great and since reserving a room unnecessarily may prevent some other student from entering the college, every application for a room or suite of rooms, whether made by a student already in residence or by a candidate for admission to the college, must be accompanied by a deposit of fifteen dollars, otherwise the application will not be registered. The amount of this deposit will be deducted from the rent if the room or suite of rooms assigned be occupied by the applicant. The amount of this deposit will be refunded only in the following cases. In all other cases the deposit will be forfeited to the college.

*a.* If an applicant who is a student of the college gives formal notice to the Secretary of the College before the first of May preceding the academic year for which the application is made that she wishes to withdraw her application.



b. If a candidate who has applied for admission to the college in October gives formal notice to the Secretary of the College before the fifteenth of July preceding the academic year for which the application is made that she wishes to withdraw her application.

c. If a candidate who has applied for admission to the college in February gives formal notice to the Secretary of the College before the first of December preceding the semester for which the application is made that she wishes to withdraw her application.

The above mentioned deposit of fifteen dollars must also be made by each student in residence in order to insure the tenure of her room for the following academic year.\*

Every applicant giving up later than the first of September the room or suite of rooms assigned to her for the ensuing academic year is responsible for the rent thereof for the whole year; exception will be made only in the case of applicants that take, and fail to pass, the autumn examinations for matriculation, but even in this case the deposit cannot be refunded. Every applicant for a room for the second semester will be responsible for the rent of the room or suite of rooms assigned to her for this semester, unless she gives formal notice of withdrawal to the Secretary before the first of January. The charges for room-rent are not subject to remission or deduction under any circumstances, or in case of withdrawal for any cause whatever, even though during the currency of a semester, term, or year paid for in advance the student shall be dismissed. The applicant is not entitled to dispose of the rooms thus left vacant, this right being reserved exclusively by the college.

In case of prolonged illness and absence from the college extending over six weeks or more, there will be a proportionate reduction in the charge for board.

Rooms are assigned to members of the entering class who have already passed their entrance examinations during the summer preceding the academic year for which application is made. Candidates who do not complete their examinations until the autumn will be assigned rooms then if any rooms chance to be vacant. No particular room or set of rooms

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\* Every student except a member of the freshman class who moves from one hall to another is charged a fee of ten dollars for moving, and every student except a member of the freshman class who moves from one room to another in the same hall is charged a fee of five dollars. This fee entitles a student to have five pieces moved free of charge.



may be applied for. Applicants are allowed to choose in turn from among all the rooms left vacant, the order of choice being determined by the date at which the application is registered. Cheques should be drawn payable to Bryn Mawr College.

Every student who changes her room is required to pay an extra fee of fifteen dollars.

Students are expected to provide their own rugs and towels, but in every other respect the rooms are completely furnished. Electric reading lamps, table napkins, sheets, etc. are provided by the college. No part whatever need be taken by the students in the care of their own rooms.

There are open fire-places in nearly all the studies and in many single rooms, but the rooms are sufficiently heated by steam; the air in each room is changed every ten minutes, and the temperature is regulated by a thermostat in each room. Electric reading lamps are provided in every room. The students' personal washing may be done by any laundry recommended by the college for 50 cents a dozen, or about \$8 a half-year for one dozen pieces a week. On account of the danger of infectious diseases students in residence are not permitted to send their washing to private laundresses.

Accommodation is provided for students that wish to remain at the college during the Christmas and Easter vacations at \$1.50 a day or \$10.00 a week for undergraduate students and at \$1.20 a day or \$8.40 a week for graduate students. During the Christmas vacation the halls of residence are closed but accommodation is provided on or near the college campus. During the Easter vacation the halls of residence are kept open and undergraduate and graduate students may occupy their own rooms at the above rates.

Students remaining during any part of the Christmas or Easter vacations in Bryn Mawr, or the immediate neighborhood, not in their own homes, are required to take advantage of these arrangements and will be charged at the above rates for the period of the vacation. Students not going to their own homes are required to inform the Secretary in advance of their intention to spend the vacation elsewhere and to register their addresses in the college office.

**Summary  
of  
Expenses  
for  
Under-  
graduate  
Students.**

For undergraduate students the fees are as follows:

|   |           |
|---|-----------|
| Tuition for the academic year, payable October 1st.....   | \$200.00  |
| Room-rent for the academic year, payable October 1st.....   | \$100.00* |
| or \$175, \$200, \$225, \$250, \$275, \$300, \$325, \$350, \$400, depending<br>on the room or rooms occupied. |           |
| Infirmary fee for the academic year, payable October 1st.....   | \$ 10.00  |
| Board for the academic year, payable in equal instalments, October<br>1st and February 1st.....               | \$225.00  |
| <hr/>   |           |
| Total for tuition, residence, and infirmary fee for the academic<br>year with minimum room-rent.....          | \$535.00  |
| Laboratory fees, for laboratory course of less than four hours a<br>week for the academic year.....           | \$ 10.00  |
| For laboratory course of four or more hours a week for the academic<br>year.....                              | \$ 20.00  |
| Graduation fee.....   | \$ 20.00  |

The fees are due on the first day of each semester and students whose fees are not paid before November first in the first sem-

\* In about one-sixth of the college rooms the rent is \$100, making the cost of board, residence, and tuition for undergraduate students \$525 but students desiring to apply for rooms at \$100 must file a statement at the president's office that they are unable to afford rooms at a higher price.

ester or before March first in the second semester are not permitted to continue in residence or in attendance on their classes.

**THE STUDENTS' LOAN FUND OF BRYN MAWR COLLEGE** was founded by the Class of 1890 for the purpose of receiving contributions, however small, from those who are interested in aiding students to obtain an education. The money thus contributed is distributed in the form of partial aid, and as a loan. It is as a rule applied to the assistance of those students only who have attended courses in the college for at least one year. The fund is managed by a committee consisting of the President of the College and representatives of the Alumnae Association of Bryn Mawr College. The committee reports yearly to the Board of Trustees and to the Alumnae Association. The committee consists of the following members: President M. Carey Thomas; Miss Martha G. Thomas, Secretary and Treasurer, Bryn Mawr College; Mrs. Edward Wyatt Evans, 151 E. Coulter Street, Germantown, Philadelphia; Miss Ethel Pew, Morris Avenue, Bryn Mawr, Pa., and Miss Kathrine Leonard Howell, 3307 Hamilton Street, Philadelphia, and Mrs. Robert Darrah Jenks, 1704 Rittenhouse Street, Philadelphia. Contributions may be sent to any member of the committee. Applications for loans should be sent to the Treasurer of the committee, and all applications for loans for any given year should be made before May 1st, of the preceding academic year.

### ***Loan Fund.***

**SCHOLARSHIPS.**—Four competitive entrance scholarships, of the value of \$100 each, are awarded annually to candidates receiving their final certificates in the spring matriculation examinations of Bryn Mawr College. One is open to candidates from each of the following districts:—(a) The New England States; (b) New York, New Jersey, and Delaware; (c) Ohio, Indiana, Illinois, Michigan, and Wisconsin, and the States west of the Mississippi River; (d) Pennsylvania and all places not included in (a), (b), and (c). The district to which a candidate is considered to belong is determined by the school at which she receives her final preparation, or in case of preparation by private study by the place of residence during the year preceding the final examination; but candidates may present themselves for examination at any place where such examination is held. These scholarships, which are to be held for one year only, are awarded in each of the above named districts on the basis of the sum total of marks obtained by the candidate, but no one is eligible for a scholarship who has received more than two conditions in the twenty sections of the examination. When the examination has been divided no account is taken of those conditions incurred in the first division which have been passed off in the final examination. The competition is limited to those who intend to spend at least one year in residence at Bryn Mawr College, who have not studied at any other college, and have not cancelled any division of the Bryn Mawr College matriculation examinations. All those who present themselves are *ipso facto* candidates for these scholarships, no formal declaration of candidacy being required.

### ***Scholarships.***

Eight scholarships for non-resident students of \$200 each, entitling the holder to free tuition, renewable for four consecutive years, were founded by the College in 1893, and were presented to the public schools of Philadelphia through Dr. Brooks, the Superintendent of the Public Schools of Philadelphia, on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examination of Bryn Mawr College in the High School for Girls, Philadelphia; 2. She shall have been recommended by the Board of Education of Philadelphia, and their recommendation shall have been approved by the Directors of Bryn Mawr College; 3. The scholarship shall be renewed annually by the Directors, until the holder has completed her fourth year at college, provided her conduct and academic work have been satisfactory to the authorities of the college.

**The L. C. B. Saul Memorial Scholarship.** In 1893 the Alumnae Association of the Girls' High and Normal School of Philadelphia founded at Bryn Mawr College a scholarship entitling the holder to free tuition, renewable for four years. This scholarship is awarded every four years to the graduate of the Girls' High School who passes the matriculation examination of Bryn Mawr College for that year with the highest credit. In 1904 the scholarship was renamed the L. C. B. Saul Memorial Scholarship.

One scholarship of \$200 entitling the holder to one year's free tuition, was founded by the College in 1895, and was presented to the School Board of Education of Lower Merion Township, Montgomery County, Pa., for the benefit of graduates of the High School of Lower Merion Township, Ardmore, Pa., on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examinations in the Lower Merion High School; 2. She shall have been recommended by the School Board of Education of Lower Merion Township, and their recommendation shall have been approved by the Directors of Bryn Mawr College; 3. If in any year there shall be, in the judgment of the School Board of Education of Lower Merion Township, no satisfactory candidate in the graduating class, the scholarship may be renewed during the following year for the benefit of a former holder, provided her conduct and academic work have been satisfactory to the authorities of the college.

One scholarship of \$200 entitling the holder to one year's free tuition was founded by the Directors in 1909 and was presented to the School Board of Education of Norristown, Pa., for the benefit of graduates of Norristown High School, on the following terms: 1. That the candidate shall have received all her preparation for Bryn Mawr College in the Norristown High School; 2. That she shall have successfully passed the entrance examinations of Bryn Mawr College not later than the June preceding the autumn in which she wishes to enter the college; 3. That this scholarship shall not be awarded twice to the same person unless the Superintendent of Schools shall file in the office of the President of the College a statement to the effect that no other member of the graduating class is able to compete for the scholarship; 4. That the candidate shall have been nominated to the Board of Directors of Bryn Mawr College by the Superintendent of Schools or by the Board of Education and that such nomination shall have been duly approved by the Board of Directors of Bryn Mawr College.

One competitive scholarship of the value of \$200, renewable till graduation, is open annually for competition to members of the Society of Friends who are unable to pay the full charge for tuition and residence. This scholarship is awarded, as far as possible, under the same rules as those governing the award of the competitive entrance scholarships of Bryn Mawr College. Two additional scholarships of the value of \$200 each are open for competition to graduate students who are members of the Society of Friends and need financial assistance. Three scholarships, of \$400 each, for one year, are open to those graduates of Earlham, Penn., and Guilford Colleges respectively, who in the preceding year have completed the course of their several colleges with most distinction. These scholarships have been established by the Trustees in accordance with the desire of the Founder of the college to promote the advanced education of women in the Society of Friends, of which he was a member.

Scholarships of the value of \$500 each were founded in 1885 by the Board of Managers of the Bryn Mawr School, of Baltimore, Maryland. One of these scholarships is open annually to the graduate of the Bryn Mawr School who has completed the school course with most distinction.

The James E. Rhoads Memorial Scholarships two in number, each of the value of \$250 for one year, were founded in 1897 by the Alumnae Association of Bryn Mawr College, in memory of the first President of the College, Dr. James E. Rhoads. The first of these scholarships is the James E. Rhoads Sophomore Scholarship, and is open to those students only who have completed college work amounting to not less than twenty and not more than forty-five hours (three semesters' work) for a year, and have been in attendance upon lectures at Bryn Mawr College not less than one semester. The second of these scholarships is the James E. Rhoads Junior Scholarship, and is open to those students only who have completed college work amounting to not less than forty and not more than seventy-five hours (five semesters' work) for a year, and have been in attendance upon lectures at Bryn Mawr College not less than three semesters. To be eligible for either of these two scholarships a student shall have attained a high degree of excellence in her work, shall express her intention of fulfilling the requirements for the degree of A.B. at Bryn Mawr College, and shall prove her need of financial aid to the satisfaction of the nominating committee. In case either scholarship is awarded to a non-resident student,



its value shall not exceed \$150. The nominating committee consists of the President of Bryn Mawr College, two members of the Faculty of the College, appointed annually by the Council, the President of the Alumnae Association of Bryn Mawr College and three other members of the Alumnae Association appointed by the executive committee of the Alumnae Association. Applications for the scholarships should be addressed to the Recording Dean and Assistant to the President, Bryn Mawr College, to be forwarded to the Chairman of the Committee.

The Mary E. Stevens Scholarship of the value of \$160 founded in 1896 by former pupils of Miss Mary E. Stevens's School is awarded to a member of the Sophomore class who needs financial assistance, to be held at Bryn Mawr College, during the junior year. It is open to those students only who have registered for college work amounting to not less than forty and not more than sixty-five hours for a semester and have been in attendance upon lectures at Bryn Mawr College not less than three semesters. Applications for this scholarship should be addressed to the President of Bryn Mawr College.

Two Maria Hopper Scholarships of the value of \$200 each were founded in 1901 by the bequest of the late Maria Hopper of Philadelphia. They are awarded, on the ground of excellence in scholarship, to two members of the freshman class who need financial assistance, to be held at Bryn Mawr College during the sophomore year. They are open to those students only who have registered for college work amounting to not less than twenty and not more than forty-five hours for a semester and have been in attendance upon lectures at Bryn Mawr College not less than one semester. Applications for these scholarships should be addressed to the President of Bryn Mawr College.

The Anna M. Powers Memorial Scholarship of the value of \$200 was founded in 1902 by Mrs. J. Campbell Harris in memory of her mother, Anna M. Powers. The scholarship is open to members of the junior class who need financial aid in order to complete the work for the degree and is to be held in the senior year. The holder is nominated by the donor subject to the approval of the President and Faculty of the College.

The Maria L. Eastman Brooke Hall Memorial Scholarship of the value of \$100 was founded in 1901, in memory of Maria L. Eastman, Principal of Brooke Hall School for Girls, Media, Pa., by the Alumnae and former pupils of the school. It is awarded each year on the ground of scholarship, irrespective of the need of financial aid, to a member of the junior class to be held during the senior year. No application for the scholarship is necessary.

The Charles E. Ellis Scholarships of the value of \$200 each were founded in 1909 by the bequest of the late Charles E. Ellis and are awarded on the recommendation of the Superintendent of the Public Schools of the City of Philadelphia to students educated in the public schools of Philadelphia who have passed the entrance examinations of Bryn Mawr College and whose nomination has been approved by the Board of Directors of the Trustees of Bryn Mawr College.

A special Thomas H. Powers Memorial Scholarship of the value of \$200 was given in 1910 by Mrs. J. Campbell Harris in memory of her father, Thomas H. Powers. The holder is nominated by the donor subject to the approval of the President and Faculty of the College.

The Anna Hallowell Memorial Scholarship of the value of \$100 was founded in 1912 by the family of the late Anna Hallowell. It is awarded to a member of the sophomore class in need of financial assistance to enable her to continue her studies during her junior year, and is to be given by the faculty to the student satisfying the above requirement who has the highest academic record provided that this student does not hold any other scholarship. This provision may, however, be disregarded in case of great financial need.

The Frances Marion Simpson Scholarships, four in number, each of the value of \$200, were founded in 1912 by Mr. Alexander Simpson, Jr., in memory of Frances Simpson Pfahler, of the class of 1906; one scholarship is to be awarded in October, 1912, a second in October, 1913, a third in October, 1914, and a fourth in October, 1915, to candidates who receive their final certificates in the preceding spring matriculation examination. Competition for these scholarships is open only to residents of Philadelphia and Montgomery



counties who have been prepared for Bryn Mawr College in the public schools of the said counties, or at home by their parents and guardians, or in the model school of the Department of Education of Bryn Mawr College, or in Miss S. Janet Sayward's School at Overbrook, Pennsylvania; and only those students who are unable or whose parents are unable to afford to pay the fees for tuition in Bryn Mawr College are entitled to compete.

The scholarships are renewable for four successive years, and are meant for those students only who take the full college course. Students holding the scholarships who become able to pay the tuition fees of Bryn Mawr College in whole or in part are required to do so, and all holders of the scholarships are required to promise to repay for the benefit of other students in need of the scholarship, the advances made to them, when they can do so without oppressing themselves or neglecting their duties to others.

The Mary Anna Longstreth Memorial Scholarship of the value of \$200 was founded in 1913 by the Alumnae of the Mary Anna Longstreth School, the children of Almira, and a few of her friends in grateful memory of Mary Anna Longstreth. The scholarship which provides free tuition for one student, is to be awarded each year to a student who needs financial aid to begin or continue her college course.

The Elizabeth Duane Gillespie Scholarship in American History of the value of \$50 was founded in 1903 by the Pennsylvania Society of Colonial Dames of America, in memory of Elizabeth Duane Gillespie. It is awarded annually to a member of the sophomore or junior class, on condition that the holder of the scholarship devote to the study of American history at least four hours a week for one year during the last two years of her college course. The candidate is to be selected by the Faculty of Bryn Mawr College on the ground of excellence in scholarship.

The Woman's Medical College of Pennsylvania presented to Bryn Mawr College in 1910 a scholarship to be awarded to a graduate of the college recommended by the President and Faculty as in their opinion qualified to take up the study of medicine. The holder is given free tuition for one year at the Woman's Medical College of Pennsylvania and the scholarship will be renewed for the three remaining years of the medical course if the holder's record prove satisfactory.

FOUNDATION OF SCHOLARSHIPS.—The sum of five thousand dollars given or left by will to the Directors of Bryn Mawr College, will found a perpetual scholarship giving free tuition to one student every year. The scholarship may be given in memory of and named after any person designated by the donor.

### FORM OF BEQUEST.

*I give and bequeath to The Trustees of Bryn Mawr College, a corporation established by law in the State of Pennsylvania the sum of.....to be invested and preserved inviolably for the endowment\* of Bryn Mawr College, located at Bryn Mawr, Pennsylvania.*

*Dated.....*

\* The bequest may be made, if desired, for foundation of professors' chairs, scholarships, fellowships, or for some other specified purpose.

*Tuition  
for  
Graduate  
Students.*

For graduate students attending six or more hours a week of lectures, and for fellows and graduate scholars the tuition fee is one hundred and twenty-five dollars a year, payable half-yearly in advance. For other graduate students\* who do not wish to devote all their time to graduate work the fees are as follows, payable in advance: for one hour a week of lectures, ten dollars a semester; for two hours a week of lectures, twenty dollars a semester; for three hours a week of lectures, thirty dollars a semester; and for four or five hours a week of lectures, forty dollars a semester.† This arrangement is made especially for non-resident graduate students, but those who wish to take five hours a week of lectures or less may live in the college halls on the understanding that they must give up their rooms if needed for students who are taking the full amount of graduate work and paying the regular tuition fee. The tuition fee for the semester becomes due as soon as the student is registered in the college office. No reduction of this fee can be made on account of absence, dismissal during the currency of the semester, term, or year covered by the fee in question, or for any other reason whatsoever. Graduate students are admitted to residence or to attendance on lectures at any time during the year, and in this case a proportionate reduction is made in the charges for board and room-rent and for tuition. Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office,

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\* Doctors of Philosophy of Bryn Mawr College may attend lectures or work in the laboratories without payment of any fee except for material used in the laboratory.

† The fees charged are reckoned on the basis of the actual hours of conference or lecture, irrespective of the number of undergraduate hours to which the course is regarded as equivalent.

In counting the number of hours for which a graduate student is registered the following special arrangements are made in regard to laboratory courses: payment for a one hour lecture course in a scientific department entitles the student to four hours of laboratory work in addition with no extra charge except the laboratory fee. Students registered for laboratory work only, are charged the following tuition fee: for each two and one-half hours of undergraduate laboratory course and for each five hours of graduate laboratory course the same fee as for a one hour lecture course. The laboratory fees as stated above are charged in addition to the charge for tuition.

or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

*Laboratory  
Fees.*

Graduate students taking courses in scientific departments (Physics, Chemistry, Geology, Biology, and Psychology) amounting to six or more hours a week of lecture courses or its equivalent in laboratory courses are charged a laboratory fee of eighteen dollars a semester, with the following exceptions: if the student takes, as a regular student, courses in subjects not enumerated above amounting to six hours a week the laboratory fee is reduced to twelve dollars a semester; and if she takes, as a regular student, courses in subjects not enumerated above amounting to ten hours a week the laboratory fee is reduced to six dollars a semester.

Graduate students taking less than six hours a week of lectures, or its equivalent in laboratory work, and graduate students taking one undergraduate laboratory course only are charged a laboratory fee of ten dollars a semester for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

*Residence  
for  
Graduate  
Students.*

Residence in the college buildings is optional except for holders of resident fellowships and scholarships. In each hall of residence, except Merion Hall, a special wing or corridor is reserved for graduate students, and in order to secure entire quiet no undergraduate students are permitted to engage rooms in the graduate wings. The expense of board and residence in the graduate wings of the college halls is two hundred and seventy-five dollars. Of this amount two hundred and twenty-five dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expenses of furnishing, service, heating, and light.\*

A deposit of fifteen dollars is required from each graduate student, fellow, or scholar who desires to reserve a room in a hall of residence. The amount of this deposit will be deducted from the rent if the room is occupied by the student; it will be refunded if the student gives formal notice to the Secretary of the College before the fifteenth of July preceding the academic year for which the application is made that she wishes to withdraw her application. If for any reason whatever the change or withdrawal be made later than July fifteenth, the deposit will be forfeited to the College.

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\* Rugs and towels must be furnished by the students themselves. Graduate students will, upon request, be supplied with rugs.



For graduate students the fees are as follows:

Tuition for the semester, payable on registration:

|   |          |
|---|----------|
| For one hour† a week of lectures.....                         | \$ 10.00 |
| For two hours a week of lectures.....                         | \$ 20.00 |
| For three hours a week of lectures.....                       | \$ 30.00 |
| For four or five hours a week of lectures.....                | \$ 40.00 |
| For six or more hours a week of lectures.....                 | \$ 62.50 |
| Room-rent for the academic year, payable on registration..... | \$ 50.00 |
| Board for the semester payable on registration.....           | \$112.50 |

Total expenses for the academic year:

|  |          |
|--|----------|
| Tuition fee, for six or more hours a week of lectures..... | \$125.00 |
| Room-rent.....   | \$ 50.00 |
| Board.....   | \$225.00 |
| Infirmary fee.....   | \$ 5.00  |

|  |              |
|--|--------------|
| Total for tuition, residence, and infirmary care for the academic year | \$405.00     |
| Laboratory fees for the academic year.....                             | \$10 to \$36 |

*Summary  
of  
Expenses  
for  
Graduate  
Students.*

Students whose fees are not paid by November first in the first semester or by March first in the second semester are not permitted to continue in residence or in attendance on their classes.

The Bryn Mawr European Fellowship of the value of \$500 was founded in 1889. It is awarded annually to a member of the graduating class of Bryn Mawr College on the ground of excellence in scholarship. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

*European  
Travelling  
Fellow-  
ships.*

The President M. Carey Thomas European Fellowship of the value of \$500 was founded in 1896 by Miss Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a student in her first year of graduate work at Bryn Mawr College. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The Mary E. Garrett European Fellowship of the value of \$500 was founded in 1894 by Miss Garrett of Baltimore and is

† See footnote, page 189.



awarded annually on the ground of excellence in scholarship to a student still in residence who has for two years pursued graduate studies at Bryn Mawr College. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The Anna Ottendorfer Memorial Research Fellowship in German and Teutonic Philology of the value of \$700 was founded in 1907 by Mrs. Anna Woerishoffer of New York City in memory of her mother. It is intended to defray the expenses of one year's study and residence at some German university and is awarded annually to a graduate student who has completed at least one year of graduate study at Bryn Mawr College but is not necessarily still in residence when making application for the fellowship. The fellowship will be awarded to the candidate who shows such proficiency in her studies or in independent work as to furnish reason to believe that she will be able to conduct independent investigations in the field of Teutonic Philology or German. The choice of a university may be determined by the holder's own preference subject to the approval of the Faculty. Application for the fellowship should be addressed to the President.

***Resident  
Fellow-  
ships.***

The Helen Schaeffer Huff Memorial Research Fellowship in Physics or Chemistry of the value of \$750, and sixteen resident fellowships, of the value of \$525 each, are awarded annually in Greek, Latin, English, German and Teutonic Philology, Romance Languages, Semitic Languages and Biblical Literature, History, Philosophy, Archæology, Mathematics, Physics, Chemistry, Geology and Biology, the Justus C. Strawbridge Fellowship in Economics and Politics, and the Carola Woerishoffer Memorial Fellowship in Social Economy and Social Research. They are open for competition to graduates of Bryn Mawr College, or of any other college of good standing, and will be awarded only to candidates who have completed at least one year of graduate work at some college of good standing after obtaining their first degree. The fellowships are intended as an honor, and are awarded in recognition of previous attainments;

generally speaking, they will be awarded to the candidates that have studied longest or to those whose work gives most promise of future success. All fellows may study for the degree of Doctor of Philosophy, the fellowship being counted, for this purpose, as equivalent to the degree of Bachelor of Arts. Fellows that continue their studies at the college after the expiration of the fellowship, may, by a vote of the directors, receive the rank of Fellows by Courtesy.

Fellows are expected to attend all college functions, to wear academic dress, to assist in the conduct of examinations, and to give about an hour a week to the care of special libraries in the halls of residence and in the seminaries, but no such service may be required of them except by a written request from the president's office; they are not permitted while holding the fellowship to teach, or to undertake any other duties in addition to their college work. They are expected to uphold the college standards of scholarship and conduct and to give loyal support to the Students' Association for Self-Government. They are required to reside in the college and are assigned rooms by the Secretary of the College. They are charged the usual fee of four hundred and five dollars for tuition, board, room-rent, and infirmary care.

The holder of a fellowship is expected to devote at least one half her time to the department in which the fellowship is awarded, and to show by the presentation of a thesis or in some other manner that her studies have not been without result.

Twenty Graduate Scholarships, of the value of \$200 each, may be awarded to candidates next in merit to the successful candidates for the fellowships; they are also open for competition to graduates of Bryn Mawr College, or of any other college of good standing.

The Susan B. Anthony Memorial Scholarship in Political Theory, of the value of \$250, was founded in 1910, and is awarded to the candidate wishing to devote herself to studies dealing with the position of women in politics and industry, whose work shows most promise of future success.

*Duties of  
Resident  
Fellows.*

*Resident  
Graduate  
Scholar-  
ships.*

***Scholarships for British and German and French Women.***

Ten Graduate Scholarships, of the value of \$405 each, were founded in 1909, five for English, Scotch, or Irish women, and five for German women, and two were founded in 1913 for French women and are open for competition to all women of the prescribed nationality whose academic work has reached a standard equivalent to that denoted by the Bachelor's degree of any American college or university of acknowledged standing. The amount of the scholarship, four hundred and five dollars, covers the fees for tuition, board, residence, including light, heat, and service, and infirmary care for the academic year. A furnished single room in the graduate wing of one of the halls of residence is assigned to each scholar, but this is not available in the Christmas and Easter vacations when scholars who remain at the college have to pay the expenses of board and residence, see page 184.

***Duties of Resident Scholars.***

Scholars are expected to reside in the college, to attend all college functions, to wear academic dress and to assist in the conduct of examinations. It is understood that they will uphold the college standards of scholarship and conduct and give loyal support to the Students' Association for Self Government.

***Applications for Resident Fellowships and Scholarships.***

Application for resident fellowships or scholarships should be made to the President of the College on a form obtained from the President's office, as early as possible, and not later than the fifteenth\* of April preceding the academic year for which the fellowship or scholarship is desired. A definite answer will be given within two weeks from the latest date set for receiving applications. Any original papers, printed or in manuscript, which have been prepared by the applicant and sent in support of her application will be returned when stamps for that purpose are enclosed, or specific directions for return by express are given. Letters or testimonials will be filed for reference.

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\* Applications for the Scholarships open to British and French women must be received by May the first, they should be accompanied by full particulars of the candidate's academic work, by diplomas or certificates and by letters of recommendation from professors and should be addressed to the President of Bryn Mawr College, Bryn Mawr, Pennsylvania U. S. A., and in the case of German candidates to Seiner Excellenz dem Herrn Staatssekretär des Innern, Reichsamt des Innern, Berlin, Germany, before April the first.



## LIST OF DISSERTATIONS

PUBLISHED BY STUDENTS WHO HAVE OBTAINED THE DEGREE OF  
DOCTOR OF PHILOSOPHY FROM BRYN MAWR COLLEGE.

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- BLISS, ELEANORA FRANCES AND ANNA I. JONAS. Relation of the Wissahickon Mica-gneiss to the Shenandoah Limestone and to the Octoraro Mica-schist, of the Doe Run-Avondale District, Coatesville, Quadrangle, Pennsylvania. 64 p., O. February, 1914.
- BORING, ALICE MIDDLETON. A Study of the Spermatogenesis of Twenty-two Species of the Membracidae, Jassidae, Cercopidae and Fulgoridae. p. 470-512, O. 9 pl. Baltimore, 1907.  
Reprint from *Journal of Experimental Zoology*, vol. 4, No. 4.
- BOURLAND, CAROLINE BROWN. Boccaccio and the Decameron in Castilian and Catalan Literature. 233 p., O. 5 pl. New York, Paris, Macon, Protat Frères, 1905.  
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- BOWERMAN, HELEN COX. Roman Sacrificial Altars. An archæological Study of Monuments in Rome. 101 p., O. 11 pl. Lancaster, Pa. The New Era Printing Co., 1913.
- BREED, MARY BIDWELL. The Polybasic Acids of Mesitylene. 31+[1] p., O. Baltimore, The Friedenwald Company. 1901.  
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 1.
- BUNTING, MARTHA. The Origin of the Sex Cells in Hydractinia and Podocoryne and the Development of Hydractinia. 34 p., O. Boston, Ginn and Company. 1894.  
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- BYRNES, ESTHER FUSSELL. The Maturation and Fertilisation of the Egg of *Limax Agrestis* (Linné). p. 201-236+[1] p., O. Boston, Ginn and Company, publishers. The Athenæum Press. 1899.  
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- CLAFLIN, EDITH FRANCES. The Syntax of the Boeotian Dialect Inscriptions. 93 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press, 1905.  
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Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xviii.

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EMERY,\* ANNIE CROSBY. *The Historical Present in Early Latin.* 120+[3] p., O. Ellsworth, Maine, Hancock Publishing Company. 1897.

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FRANKLIN, SUSAN BRALEY. *Traces of Epic Influence in the Tragedies of Æschylus.* 81 p., O. Baltimore, The Friedenwald Company. 1895.

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- HALL, EDITH HAYWARD.\* The Decorative Art of Crete in the Bronze Age. 47 p. 3 pl. Philadelphia, The John C. Winston Co. 1907.  
Reprint in part from *Transactions of the Department of Archaeology of the University of Pennsylvania*, vol. 2, part 1. 1906.
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- KING, HELEN DEAN. The Maturation and Fertilisation of the Egg of *Bufo Lentiginosus*. p. 293-350, O. Boston, Ginn and Company, publishers. The Athenæum Press. 1901.  
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- LAIRD, ELIZABETH REBECCA. The Absorption Spectrum of Chlorine. p. 85-115, O.  
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*American Journal of Philology*, vol. 19, 1898.

\* Mrs. Thomas Dolan.

† Mrs. S. Prioleau Ravenel.

‡ Mrs. Emmons Bryant.

MACDONALD, MARGARET BAXTER. A New Class of Disulphones. p. 1-21, O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1901.

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NICHOLAS, HELEN HAWLEY. The composition of the Elihu Speeches, Job Chaps. XXXII-XXXVII. 95 p., O. 1911.

Reprint from *American Journal of Semitic Languages and Literature*, vol. 28, No. 2 January, 1911.

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\* Mrs. William Roy Smith.

† Mrs. Eric C. W. S. Lyders.

- RAND, GERTRUDE. The factors that influence the sensitivity of the Retina to color: A quantitative study and methods of standardizing. 166+xi p., O. Princeton, N. J. 1913.  
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- RITCHIE,† MARY HELEN. A Study of Conditional and Temporal Clauses in Pliny the Younger. 57+[1] p., O. Philadelphia, Avil Printing Company. 1902.
- ROE, ADAH BLANCHE. Anna Owena Hoyers, a poetess of the seventeenth century. 128 p., O. Bryn Mawr, Pennsylvania. 1915.  
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\*Mrs. Winthrop Merton Rice.

† Died, 1905.

‡ Mrs. William Bashford Huff. Died, 1913.

§ Died, 1912.



- STITES, SARA HENRY. *Economics of the Iroquois*. 159+vii p., O. Lancaster, Pa., The New Era Printing Co. 1905.  
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- WARREN, † WINIFRED. *A Study of Conjunctive Temporal Clauses in Thukydides*. 76+[3] p., O. Berlin, printed by Unger Brothers, 1897.
- WILLIS, GWENDOLEN BROWN. *The Ancient Gods in Greek Romance*. 54 p., O. Chicago, University of Chicago Press, 1905.

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\* Mrs. Lewis Albert Anderson.

† Mrs. George Arthur Wilson



# SCHEDULE OF LECTURES

| Hour | Course        | Monday   | Tuesday   |
|------|---------------|--|---|
| 9    | MATRICULATION | Greek (Kirk)<br>German (Jeffers)<br>French (Thayer)  | Greek (Kirk)<br>German (Jeffers)<br>French (Thayer)   |
|      | GENERAL       | Philosophy, Div. A (Theodore de Laguna)<br>Div. B (Grace de Laguna)<br>Div. C (Avey)   | Philosophy, Div. A (Theodore de Laguna)<br>Div. B (Grace de Laguna)<br>Div. C (Avey)  |
|      | MINOR         | Greek, Plato (Sanders)<br>French Reading (Scheneck)<br>Economics, Introduction to Economics,<br>Div. A (Marion P. Smith)<br>Div. B (Kingsbury)   | Greek, Homer (Wright)<br>French Essayists (Beck)<br>Economics, Introduction to Economics,<br>Div. A (Marion P. Smith)<br>Div. B (Kingsbury)   |
|      | MAJOR         | Greek Sculpture (Carpenter)<br>Mathematics, Conics (Scott)<br>Chemistry (Brunel)   | Hellenistic Towns (Carpenter)<br>Mathematics, Trigonometry (Scott)<br>Chemistry (Brunel)  |
|      | ELECTIVE      | Biology, Theoretical (Tennent)   | Historical Development of Physics (Tennent)   |
|      | POST-MAJOR    | Inorganic Chemistry  |   |
|      | GRADUATE      | Physics (Barnes)<br>Geology (T. C. Brown)  | Geology (T. C. Brown)   |
| 10   | GENERAL       | English Literature, 2nd year (Savage)  | English Composition, 2nd year   |
|      | MINOR         | English, Anglo-Saxon (C. F. Brown)<br>English, 19th Century Critics (Chew)<br>German Grammar (Lasch)<br>Spanish (DeHaan)<br>History of Europe, Div. A (Leake)<br>Div. B (Leake)  | English, Anglo-Saxon (C. F. Brown)<br>English, 19th Century Critics (Chew)<br>German Literature (Jessen)<br>Spanish (DeHaan)<br>History of Europe, Div. A (Leake)<br>Div. B (Leake)                                   |
|      | MAJOR         | Philosophy, History of (Avey)<br>17th and 18th Cent. Painting (G. G. King)<br>Geology (T. C. Brown)  | Philosophy, History of (Avey)<br>Renaissance Sculpture (G. G. King)<br>Geology (T. C. Brown)  |
|      | ELECTIVE      | Private Law (Fenwick)  | German, Advanced Composition<br>Astrophysics (Barnes)   |
|      | POST-MAJOR    | Physics (Huff)<br>Chemistry (Brunel)   | Physical Chemistry  |
|      |               |  |   |
| 11   | GENERAL       | English Literature, 1st year (Savage)  | English Composition, 1st year   |
|      | MINOR         | Ancient History, Oriental (Barton)<br>Mod. Philosophical Classics (T. de Laguna)   | Ancient History, Classical (Barton)<br>Mod. Philosophical Classics (T. de Laguna)<br>Ancient Painting and Vases (Barton)  |
|      | MAJOR         | Latin, Tacitus (Wheeler)<br>Italian (Holbrook)<br>Spanish Reading (DeHaan)<br>Physics (Barnes)<br>Chemistry  | Latin Literature (Frank)<br>Italian (Holbrook)<br>Spanish Literature (DeHaan)<br>Physics (Barnes)<br>Chemistry  |
|      | ELECTIVE      |  | Descriptive Astronomy (Conner)  |
|      | POST-MAJOR    | Petrography (Wallis)   | Vertebrate Paleontology (T. C. Brown)   |
|      | GRADUATE      | Systematic Psychology (Ferree)   |   |
|      |               |  |   |
| 12   | MINOR         | Latin, Cicero, Div. A (Wheeler)<br>Div. B (Ferguson)<br>Div. C (Swindler)<br>Italian (Holbrook)<br>Psychology, Experimental (Ferree and Rand)<br>Physics (Huff)<br>Italian Renaissance Painting (G. G. King)<br>Geology (Wallis) | Latin, Horace, Div. A (Frank)<br>Div. B (Ferguson)<br>Div. C (Ferguson)<br>Italian (Holbrook)<br>Psychology, Experimental (Ferree and Rand)<br>Physics (Huff)<br>Gothic Architecture (G. G. King)<br>Geology (Wallis) |
|      | MAJOR         | Greek, Demosthenes (Sanders)<br>English Drama (Chew)<br>History, U. S. from 1865 (W. R. Smith)<br>Politics, Present Problems (Fenwick)<br>Mathematics (Conner)<br>Biology (Moore)  | Greek Literature (Wright)<br>English Drama (Chew)<br>History, U. S. from 1865 (W. R. Smith)<br>Politics, Present Problems (Fenwick)<br>Mathematics (Conner)<br>Biology (Moore)  |
|      |               |  |   |
|      | GRADUATE      | Chemistry (Brunel)   | Chemistry (Brunel)  |

# SEMESTER, 1915-16.

| WEDNESDAY   | THURSDAY   | FRIDAY   |
|---|--|--|
| <p>Greek (Kirk)<br/>German (Jeffers)<br/>French (Thayer)</p> <p>Philosophy, Div. A (Theodore de Laguna)<br/>Div. B (Grace de Laguna)<br/>Div. C (Avey)</p> <p>Greek, Homer (Wright)<br/>French Essayists (Beck)<br/>Economics, Introduction to<br/>Div. A (Marion P. Smith)<br/>Div. B (Kingsbury)</p> <p>Hellenistic Towns (Carpenter)<br/>Mathematics, Trigonometry (Scott)<br/>Chemistry, Demonstration (Brunel)</p> <p>German, Faust (Jessen)<br/>History, French Revolution (Leake)<br/>Roman Life (Frank)<br/>Psychology, Social Psychology (Leuba)</p> <p>New Testament Canon (Barton)</p> <p>Physics Journal Club (Huff and Barnes)<br/>Geology (T. C. Brown)<br/>Biology Journal Club (Tennent, Moore)</p> | <p>Greek (Kirk)<br/>German (Jeffers)<br/>French (Thayer)</p> <p>Philosophy, Div. A (Theodore de Laguna)<br/>Div. B (Grace de Laguna)<br/>Div. C (Avey)</p> <p>Greek, Sophocles (Sanders)<br/>French Composition (Schenck)<br/>Economics, Introduction to<br/>Div. A (Marion P. Smith)<br/>Div. B (Kingsbury)</p> <p>Greek Sculpture (Carpenter)<br/>Mathematics, Conics (Scott)<br/>Chemistry (Brunel)</p> <p>German Literature (Jessen)<br/>History, French Revolution (Leake)<br/>Fifth Century Athens (Ferguson)<br/>Psychology, Social Psychology (Leuba)</p> <p>Physics (Barnes)</p> <p>English Literature, 2nd year (Savage)</p> <p>English, Anglo-Saxon (C. F. Brown)<br/>English, 19th Century Critics (Chew)<br/>German Literature (Jessen)<br/>Spanish (DeHaan)<br/>History of Europe, Div. A ( )<br/>Div. B (Leake)</p> <p>Biology, Demonstration (Tennent)</p> <p>Philosophy, History of (Avey)<br/>Renaissance Sculpture (G. G. King)<br/>Geology Laboratory (T. C. Brown)</p> <p>Astrophysics (Barnes)</p> <p>Middle High German (Lasch)<br/>Physical Chemistry</p> <p>English Composition, 1st year</p> <p>Ancient History, Classical (Ferguson)<br/>Mod. Philosophical Classics (T. de Laguna)<br/>Ancient Painting and Vases (Swindler)</p> <p>Latin Literature (Frank)<br/>Italian (Holbrook)<br/>Spanish Literature (De Haan)<br/>Physics Laboratory (Barnes)<br/>Chemistry Laboratory</p> <p>Descriptive Astronomy (Conner)</p> <p>Vertebrate Palaeontology (T. C. Brown)</p> <p>Latin, Horace, Div. A (Frank)<br/>Div. B (Swindler)<br/>Div. C (Ferguson)</p> <p>Italian (Holbrook)<br/>Psychology, Experimental (Ferree and Rand)<br/>Physics, Demonstration (Huff)<br/>Gothic Architecture (G. G. King)<br/>Geology, Demonstration (Wallis)</p> <p>Greek Literature (Wright)<br/>English Drama (Chew)<br/>History, U. S. from 1865 (W. R. Smith)<br/>Politics, Present Problems (Fenwick)<br/>Mathematics (Conner)<br/>Biology (Moore)</p> <p>Chemistry Journal Club (Brunel, Harrison)</p> | <p>Greek (Kirk)<br/>German (Jeffers)<br/>French (Thayer)</p> <p>Philosophy, Div. A (Theodore de Laguna)<br/>Div. B (Grace de Laguna)<br/>Div. C (Avey)</p> <p>Greek, Sophocles (Sanders)<br/>French Composition (Schenck)<br/>Economics, Introduction to<br/>Div. A (Marion P. Smith)<br/>Div. B (Kingsbury)</p> <p>Greek Sculpture (Carpenter)<br/>Mathematics, Conics (Scott)<br/>Chemistry (Brunel)</p> <p>German Literature (Jessen)<br/>History, French Revolution (Leake)<br/>Fifth Century Athens (Ferguson)<br/>Psychology, Social Psychology (Leuba)</p> <p>New Testament Canon (Barton)</p> <p>Physics (Barnes)</p> <p>English Literature, 2nd year (Savage)</p> <p>English, Anglo-Saxon (C. F. Brown)<br/>English, 19th Century Critics (Chew)<br/>German (Lasch)<br/>Spanish (DeHaan)<br/>History of Europe, Div. A ( )<br/>Div. B (Leake)</p> <p>Biology (Tennent)</p> <p>Philosophy, History of (Avey)<br/>17th and 18th Cent. Painting (G. G. King)<br/>Geology Laboratory (T. C. Brown)</p> <p>Physics (Huff)<br/>Chemistry</p> <p>English Literature, 1st year (Savage)</p> <p>Ancient History, Oriental (Barton)<br/>Mod. Philosophical Classics (T. de Laguna)</p> <p>Latin, Tacitus (Wheeler)<br/>Italian (Holbrook)<br/>Spanish Reading (DeHaan)<br/>Physics Laboratory (Barnes)<br/>Chemistry Laboratory</p> <p>Petrography (Wallis)</p> <p>Systematic Psychology (Ferree)</p> <p>Latin, Cicero, Div. A (Wheeler)<br/>Div. B (Ferguson)<br/>Div. C (Swindler)</p> <p>Italian (Holbrook)<br/>Psychology, Experimental (Ferree and Rand)<br/>Physics (Huff)<br/>Italian Renaissance Painting (G. G. King)<br/>Geology (Wallis)</p> <p>Greek, Demosthenes (Sanders)<br/>English Drama (Chew)<br/>History, U. S. from 1865 (W. R. Smith)<br/>Politics, Present Problems (Fenwick)<br/>Mathematics (Conner)<br/>Biology (Moore)</p> <p>Physical Chemistry</p> |



# SCHEDULE OF LECTURES

| Hour | Course          | Monday  | Tuesday   |
|------|-----------------|---|---|
| 2    | LABORATORY WORK | Psychology, Minor (Ferree and Rand)<br>Physics, Minor (Huff)<br>Chemistry, Minor (Brunel)<br>Geology, Minor, Field Work (Wallis)<br>Biology, Minor (Tennent)  | Psychology, Minor (Ferree and Rand)<br>Physics, Minor (Huff)<br>Chemistry, Minor (Brunel)<br>Geology, Minor (Wallis)<br>Biology, Minor (Tennent)  |
|      | MAJOR           | French Drama (Giroud)   | French Drama (Giroud)   |
|      | ELECTIVE        | History of Christian Doctrine (Barton)  | History of Christian Doctrine   |
|      | POST-MAJOR      | Greek, Æschylus (Sanders)<br><br>International Law (Fenwick)<br>Economics and Politics, Social Statistics (Kingsbury)<br>Mathematics (Scott)  | Greek, Æschylus (Sanders)<br>Spanish (DeHaan)<br><br>International Law (Fenwick)<br>Economics and Politics, Social Statistics (Kingsbury)<br>Mathematics (Scott)  |
|      | GRADUATE        | Cynewulf and Caedmon (C. F. Brown), 2.30-4.30<br>Metaphysics Seminary (Grace de Laguna), 2-4  |   |
| 3    | LABORATORY WORK | Psychology, Minor (Ferree and Rand)<br>Physics, Minor (Huff)<br>Chemistry, Minor (Brunel)<br>Geology, Minor, Field Work (Wallis)<br>Biology, Minor (Tennent)  | Psychology, Minor (Ferree and Rand)<br>Physics, Minor (Huff)<br>Chemistry, Minor (Brunel)<br>Geology, Minor (Wallis)<br>Biology, Minor (Tennent)  |
|      | ELECTIVE        | Elocution, Reading of Shakespeare (A. S. King)<br><br>Education (Gordon)  | Elocution, Reading of Shakespeare (A. S. King)<br><br>Advanced Experimental Psychology (Gordon)   |
|      | POST-MAJOR      | Latin, Lucretius and Catullus (Frank)<br>French Drama (Giroud)<br>History, American Constitutional (William R. Smith)   | Latin, Lucretius and Catullus (Frank)<br>French Drama (Giroud)<br>History, American Constitutional (William R. Smith)<br>Mathematics (Conner)   |
|      | GRADUATE        | Teutonic Seminary (Lasch), 3-5<br>Old Spanish, Readings (De Haan)<br>Elementary Semitic Languages (Barton)<br>Psychology Journal Club (Leuba, Ferree and Rand)<br>Seminary in Modern Painting (G. G. King), 2-4   | Greek Seminary, Greek Old Testament, 3-4.30<br>Seminary in English Literature, 3-4.30<br>Old Norse (Lasch)<br>Spanish Seminary (DeHaan)<br>Egyptian (Barton)  |
| 4    | GRADUATE        | Latin Seminary, Cicero's Correspondence (Frank), 4-6<br>Seminary in Mediaeval French Literature (Beck), 4.30-6<br>Hebrew Literature (Barton)<br>History Journal Club (William R. Smith and Leake), 4-6. Alternate Weeks.<br>Economics Journal Club (Marion P. Smith, Fenwick, and Kingsbury), 4-6. Alternate Weeks.<br>Psychology Seminary (Leuba), 4-6<br>Mathematics (Conner), 4-6<br>Seminary in Zoology (Tennent), 4.30-6 | Greek Journal Club (Lasch), 4.30-6. Alternate Weeks.<br>Latin Journal Club (Wallis), 4.30-6. Alternate Weeks.<br>Middle English Seminary (Lasch), 4.30-6<br>German Journal Club (Jensen), 4.30-6. Alternate Weeks.<br>French Seminary, Molière (Giroud), 4-6<br>Introduction to Old French (Leuba), 4-6<br>Seminary in European History (Barton), 4-6<br>Seminary in Social Economics (Conner), 4-6<br>Seminary in Ethics (Theodor), 4.30-6<br>Mathematical Journal Club (Conner), Alternate Weeks<br>Psychology of Deficient and Abnormal (Leuba), 4-6 |
| 5    | GRADUATE        | Introduction to Teutonic Philology (Lasch)  |   |

# 1ST SEMESTER, 1915-16 (continued).

| WEDNESDAY   | THURSDAY   | FRIDAY   |
|---|--|--|
| Composition (Schenck)<br>Poetics (Langdon)<br>German (Sanders)<br>Composition (Frank)<br>Economics (Jessen)<br>Economics and Politics, Economic and Social Legislation (Marion P. Smith)<br>Psychology (Tennent)<br>Seminary (Carpenter), 2-4 | Psychology, Minor (Ferree and Rand)<br>Physics, Major (Barnes)<br>Chemistry, Major<br>Geology, Major (T. C. Brown)<br>Biology, Major (Moore)<br><br>French Literature (Giroud)<br><br>Greek, Lucian (Wright)<br>German Literature (Jessen)<br>French, The Short Story (Schenck)<br>Economics and Politics, Economic and Social Legislation (Marion P. Smith)<br><br>Seminary in European History | Psychology, Minor (Ferree and Rand)<br>Physics, Major (Barnes)<br>Chemistry, Major<br>Geology, Major (T. C. Brown)<br>Biology, Major (Moore)<br><br>French Literature (Giroud)<br><br>German Literature (Jessen)<br>French, The Short Story (Schenck)<br>Economics and Politics, Economic and Social Legislation (Marion P. Smith)<br><br>Greek Seminary, Homeric Question (Wright), 4-6<br>Advanced French Philology (Beck) |
| Composition (Schenck)<br>Poetics (Langdon)<br>German (Sanders)<br>Composition (Frank)<br>Economics (Jessen)<br>Economics and Politics, Economic and Social Legislation (Marion P. Smith)<br>Psychology (Tennent)<br>Seminary (Carpenter), 2-4 | Psychology, Minor (Ferree and Rand)<br>Physics, Major (Barnes)<br>Chemistry, Major<br>Geology, Major (T. C. Brown)<br>Biology, Major (Moore)<br><br>Descriptive Writing (Langdon)<br><br>Roman Satire (Wheeler)<br><br>History, England under the Stuarts  | Psychology, Minor (Ferree and Rand)<br>Physics, Major (Barnes)<br>Chemistry, Major<br>Geology, Major (T. C. Brown)<br>Biology, Major (Moore)<br><br>Roman Satire (Wheeler)<br><br>History, England under the Stuarts   |
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# SCHEDULE OF LECT

| Hour | COURSE        | MONDAY  | TUESDAY  |
|------|---------------|---|--|
| 9    | MATRICULATION | Greek (Kirk)<br>German (Jeffers)<br>French (Thayer)   | Greek (Kirk)<br>German (Jeffers)<br>French (Thayer)  |
|      | GENERAL       | Psychology, Div. A (Leuba)<br>Div. B (Avey)   | Psychology, Div. A (Leuba)<br>Div. B (Avey)  |
|      | MINOR         | Greek, Euripides (Sanders)<br>French Reading (Schenck)<br>Introduction to Government and Politics,<br>Div. A (Fenwick)<br>Div. B. (Leake)<br>Greek Sculpture (Carpenter)<br>Mathematics, Calculus (Conner)<br>Chemistry                       | Greek, Homer (Wright)<br>French Essayists (Beck)<br>Introduction to Government<br>Div. A (Fenwick)<br>Div. B. (Leake)<br>Ancient Rome (Swindler)<br>Mathematics, Algebra (Conner)<br>Chemistry Laboratory  |
|      | MAJOR         | German Literature (Jessen)<br>British Imperialism (W. R. Smith)<br>Ancient History, Roman Empire (Ferguson)<br>Psychology, Educational (Gordon).  | German, Faust (Jessen)<br>British Imperialism (W. R. Smith)<br>Historians of Rome (Ferguson)<br>Psychology, Educational (Gordon)   |
|      | ELECTIVE      | Biology, Theoretical (Tennent)  | Historical Development of  |
|      | POST-MAJOR    | Inorganic Chemistry   |  |
|      | GRADUATE      | Physics (Barnes)<br>Geology (T. C. Brown)   | Geology (T. C. Brown)  |
| 10   | GENERAL       | English Literature, 2nd year (Savage)   | English Composition, 2nd year  |
|      | MINOR         | English Poetry, 1850-1914 (Chew)<br>German Grammar (Lasch)<br>Spanish (DeHaan)<br>History of the Reformation (W. R. Smith)<br>History of the Middle Ages (Leake)<br>Biology (Moore)   | English Poetry, 1850-1914 (Chew)<br>German Literature (Jessen)<br>Spanish (DeHaan)<br>History of the Reformation (W. R. Smith)<br>History of the Middle Ages (Leake)<br>Biology Laboratory (Moore)   |
|      | MAJOR         | Philosophy, 19th Century (T. de Laguna)<br>17th and 18th Century Painting (G. G. King)<br>Geology (Wallis)  | Philosophy, 19th Century (T. de Laguna)<br>Renaissance Sculpture (G. G. King)<br>Geology (Wallis)  |
|      | ELECTIVE      | Private Law (Fenwick)   | German, Advanced Composition<br>Astrophysics (Barnes)  |
|      | POST-MAJOR    | Physics (Huff)<br>Chemistry (Brunel)  | Physical Chemistry   |
| 11   | GENERAL       | English Literature, 1st year (Savage)   | English Composition, 1st year  |
|      | MINOR         | Ancient History, Oriental (Barton)<br>Recent Philosophical Theories (Avey)  | Ancient History, Classical (Barton)<br>Recent Philosophical Theories (Avey)<br>Archaeology, Minor Arts (C. G. King)  |
|      | MAJOR         | Latin Comedy (Wheeler)<br>Italian (Holbrook)<br>Spanish Reading (DeHaan)<br>Physics (Huff)<br>Chemistry (Brunel)  | Latin Literature (Frank)<br>Italian (Holbrook)<br>Spanish Literature (DeHaan)<br>Physics (Huff)<br>Chemistry (Brunel)  |
|      | ELECTIVE      |   | Descriptive Astronomy (C. G. King)   |
|      | POST-MAJOR    | Petrography (Wallis)  | Vertebrate Paleontology (T. C. Brown)  |
|      | GRADUATE      | Systematic Psychology (Ferree)  |  |
| 12   | MINOR         | Latin, Cicero, Div. C (Wheeler)<br>Div. A (Ferguson)<br>Div. B (Swindler)<br>Italian (Holbrook)<br>Psychology of Instinct, Emotion and Will (Leuba)<br>Italian Renaissance Painting (G. G. King)<br>Physics (Barnes)<br>Geology (T. C. Brown) | Latin, Horace, Div. B (Frank)<br>Div. C (Swindler)<br>Div. A (Ferguson)<br>Italian (Holbrook)<br>Psychology of Instinct, Emotion and Will (Leuba)<br>Gothic Architecture (C. G. King)<br>Physics Laboratory (Barnes)<br>Geology Laboratory (T. C. Brown) |
|      | MAJOR         | Greek, Thucydides (Sanders)<br>Mid. Eng. Poetry, Chaucer (C. F. Brown)<br>English, 19th Century Fiction (Savage)<br>History of England<br>Econ., Hist. of Econ. Thought (M. P. Smith)<br>Mathematics (Scott)<br>Biology (Tennent)             | Greek Literature (Wright)<br>Mid. Eng. Poetry, Chaucer (C. F. Brown)<br>English, 19th Century Fiction (Savage)<br>History of England<br>Econ., Hist. of Econ. Thought (M. P. Smith)<br>Mathematics (Scott)<br>Biology (Tennent)                          |
|      | GRADUATE      | Chemistry (Brunel)  | Chemistry (Brunel)   |



# ND SEMESTER, 1915-16.

| WEDNESDAY  | THURSDAY  | FRIDAY   |
|--|---|--|
| <p>Greek (Kirk)<br/>German (Jeffers)<br/>French (Thayer)</p> <p>Psychology, Div. A (Leuba)<br/>Div. B (Avey)</p> <p>Greek, Herodotus (Sanders)<br/>French Composition (Schenck)<br/>Introduction to Government and Politics,<br/>Div. A (Fenwick)<br/>Div. B (Leake)<br/>Greek Sculpture (Carpenter)<br/>Mathematics, Calculus (Conner)</p> <p>German Literature (Jessen)<br/>British Imperialism (W. R. Smith)<br/>Ancient History, Roman Empire (Ferguson)<br/>Psychology, Educational (Gordon)</p> <p>New Testament Canon (Barton)</p> <p>Physics (Barnes)</p>                        | <p>Greek (Kirk)<br/>German (Jeffers)<br/>French (Thayer)</p> <p>Psychology, Div. A (Leuba)<br/>Div. B (Avey)</p> <p>Greek, Homer (Wright)<br/>French Essayists (Beck)<br/>Introduction to Government and Politics,<br/>Div. A (Fenwick)<br/>Div. B (Leake)</p> <p>Ancient Rome (Swindler)<br/>Mathematics, Algebra (Conner)<br/>Chemistry, Demonstration</p> <p>German, Faust (Jessen)<br/>British Imperialism (W. R. Smith)<br/>Ancient History, Roman Life (Frank)<br/>Psychology, Educational (Gordon)</p> <p>Physics, Journal Club (Huff and Barnes)<br/>Geology (T. C. Brown)<br/>Biology, Journal Club (Tennent, Moore)</p> | <p>Greek (Kirk)<br/>German (Jeffers)<br/>French (Thayer)</p> <p>Psychology, Div. A (Leuba)<br/>Div. B (Avey)</p> <p>Greek, Herodotus (Sanders)<br/>French Composition (Schenck)<br/>Introduction to Government and Politics,<br/>Div. A (Fenwick)<br/>Div. B (Leake)</p> <p>Greek Sculpture (Carpenter)<br/>Mathematics, Calculus (Conner)<br/>Chemistry</p> <p>German Literature (Jessen)<br/>British Imperialism (W. R. Smith)<br/>Ancient History, Roman Empire (Ferguson)<br/>Psychology, Educational (Gordon)</p> <p>New Testament Canon (Barton)</p> <p>Physics (Barnes)</p> |
| <p>English Literature, 2nd year (Savage)</p> <p>English Poetry, 1850-1914 (Chew)<br/>German Literature (Jessen)<br/>Spanish (DeHaan)<br/>History of the Reformation (W. R. Smith)<br/>History of the Middle Ages (Leake)<br/>Biology, Demonstration (Moore)</p> <p>Philosophy, 19th Century (T. de Laguna)<br/>Renaissance Painting (G. G. King)<br/>Geology Laboratory (Wallis)</p> <p>Mathematics (Scott)</p> <p>Astrophysics (Barnes)</p> <p>Middle High German (Lasch)<br/>Physical Chemistry</p>  | <p>English Composition, 2nd year</p> <p>English Poetry, 1850 to 1914 (Chew)<br/>German Literature (Jessen)<br/>Spanish (DeHaan)<br/>History of the Reformation (W. R. Smith)<br/>History of the Middle Ages (Leake)<br/>Biology, Demonstration (Moore)</p> <p>Philosophy, 19th Century (T. de Laguna)<br/>Renaissance Sculpture (G. G. King)<br/>Geology Laboratory (Wallis)</p> <p>Astrophysics (Barnes)</p> <p>Middle High German (Lasch)<br/>Physical Chemistry</p>  | <p>English Literature, 2nd year (Savage)</p> <p>English Poetry, 1850 to 1914 (Chew)<br/>German (Lasch)<br/>Spanish (DeHaan)<br/>History of the Reformation (W. R. Smith)<br/>History of the Middle Ages (Leake)<br/>Biology (Moore)</p> <p>Philosophy, 19th century (T. de Laguna)<br/>17th and 18th Century Painting (G. G. King)<br/>Geology Laboratory (Wallis)</p> <p>Physics (Huff)</p>   |
| <p>English Literature, 1st year (Savage)</p> <p>Ancient History, Oriental (Barton)<br/>Recent Philosophical Theories (Avey)</p> <p>Latin Literature (Frank)<br/>Italian (Holbrook)<br/>Spanish Literature (DeHaan)<br/>Physics Laboratory (Huff)<br/>Chemistry Laboratory (Brunel)</p> <p>Descriptive Astronomy (Conner)</p> <p>Vertebrate Palaeontology (T. C. Brown)</p>   | <p>English Composition, 1st year</p> <p>Ancient History, Classical (Ferguson)<br/>Recent Philosophical Theories (Avey)<br/>Archaeology, Minor Arts (Carpenter)</p> <p>Latin Literature (Frank)<br/>Italian (Holbrook)<br/>Spanish Literature (DeHaan)<br/>Physics Laboratory (Huff)<br/>Chemistry Laboratory (Brunel)</p> <p>Descriptive Astronomy (Conner)</p> <p>Vertebrate Palaeontology (T. C. Brown)</p>   | <p>English Literature, 1st year (Savage)</p> <p>Ancient History, Oriental (Barton)<br/>Recent Philosophical Theories (Avey)</p> <p>Latin Comedy (Wheeler)<br/>Italian (Holbrook)<br/>Spanish Reading (DeHaan)<br/>Physics Laboratory (Huff)<br/>Chemistry Laboratory (Brunel)</p> <p>Petrography (Wallis)</p> <p>Systematic Psychology (Ferree)</p>  |
| <p>Latin, Cicero, Div. C (Wheeler)<br/>Div. A (Ferguson)<br/>Div. B (Swindler)</p> <p>Italian (Holbrook)</p> <p>Psychology of Instinct, Emotion and Will (Leuba)</p> <p>Gothic Architecture (G. G. King)<br/>Physics, Demonstration (Barnes)<br/>Geology, Demonstration (T. C. Brown)</p> <p>Greek Literature (Wright)<br/>Mid. Eng. Poetry, Chaucer (C. F. Brown)<br/>English, 19th Century Fiction (Savage)<br/>History of England<br/>Econ., Hist. of Econ. Thought (M. P. Smith)<br/>Mathematics (Scott)<br/>Biology Laboratory (Tennent)</p> <p>Chemistry Journal Club (Brunel)</p> | <p>Latin, Horace, Div. B (Frank)<br/>Div. C (Swindler)<br/>Div. A (Ferguson)</p> <p>Italian (Holbrook)</p> <p>Psychology of Instinct, Emotion and Will (Leuba)</p> <p>Gothic Architecture (G. G. King)<br/>Physics, Demonstration (Barnes)<br/>Geology, Demonstration (T. C. Brown)</p> <p>Greek Literature (Wright)<br/>Mid. Eng. Poetry, Chaucer (C. F. Brown)<br/>English, 19th Century Fiction (Savage)<br/>History of England<br/>Econ., Hist. of Econ. Thought (M. P. Smith)<br/>Mathematics (Scott)<br/>Biology Laboratory (Tennent)</p> <p>Chemistry Journal Club (Brunel)</p>  | <p>Latin, Cicero, Div. C (Wheeler)<br/>Div. A (Ferguson)<br/>Div. B (Swindler)</p> <p>Italian (Holbrook)</p> <p>Psychology of Instinct, Emotion and Will (Leuba)</p> <p>Italian Renaissance Painting (G. G. King)<br/>Physics (Barnes)<br/>Geology (T. C. Brown)</p> <p>Greek, Thucydides (Sanders)<br/>Mid. Eng. Poetry, Chaucer (C. F. Brown)<br/>English, 19th Century Fiction (Savage)<br/>History of England<br/>Econ., Hist. of Econ. Thought (M. P. Smith)<br/>Mathematics (Scott)<br/>Biology Laboratory (Tennent)</p> <p>Physical Chemistry</p>                           |



# SCHEDULE OF LEC

| Hour | COURSE          | MONDAY  | TUESDAY  |
|------|-----------------|---|--|
| 2    | LABORATORY WORK | Physics, Minor (Barnes)<br>Chemistry, Minor<br>Geology, Minor, Field Work (T. C. Brown)<br>Biology, Minor (Moore)   | Physics, Minor (Barnes)<br>Chemistry, Minor<br>Geology, Minor (T. C. Brown)<br>Biology, Minor (Moore)  |
|      | MAJOR           | French Drama (Giroud)   | French Drama (Giroud)  |
|      | ELECTIVE        | History of Christian Doctrine (Barton)  | History of Christian Doctrine  |
|      | POST-MAJOR      | Greek, Pindar (Sanders)<br>Politics, International Law (Fenwick)<br>Economics and Politics, Social Betterment (Kingsbury)<br>Mathematics (Scott)  | Greek, Pindar (Sanders)<br>Spanish (DeHaan)<br>Politics, International Law<br>Economics and Politics, Social Betterment (Kingsbury)<br>Mathematics (Scott)   |
|      | GRADUATE        | Cynwulf and Caedmon (C. F. Brown)<br>2.30-4.30<br>Metaphysics Seminary (Grace de Laguna), 2-4   |  |
| 3    | LABORATORY WORK | Physics, Minor (Barnes)<br>Chemistry, Minor<br>Geology, Minor, Field Work (T. C. Brown)<br>Biology, Minor (Moore)   | Physics, Minor (Barnes)<br>Chemistry, Minor<br>Geology, Minor (T. C. Brown)<br>Biology, Minor (Moore)  |
|      | ELECTIVE        | Elocution, Reading of Shakespeare (A. S. King)<br>Education (Gordon)  | Elocution, Reading of Shakespeare (A. S. King)<br>Advanced Experimental Psychology<br>Education (Gordon)   |
|      | POST-MAJOR      | Latin, Cicero and Caesar (Frank)<br>French, Drama (Giroud)<br>History, American Constitutional (William R. Smith)   | Latin, Cicero and Caesar (Frank)<br>French, Drama (Giroud)<br>History, American Constitutional (William R. Smith)<br>Mathematics (Conner)  |
|      | GRADUATE        | Teutonic Seminary (Lasch), 3-5<br>Old Spanish, Readings (DeHaan)<br>Elementary Semitic Languages (Barton)<br>Psychology Journal Club (Leuba, Ferree and Rand)<br>Seminary in Modern Painting (G. G. King), 2-4  | Greek Seminary, Greek Old Testament, 3-4.30<br>Sem. in English Literature (T. C. Brown)<br>Old Norse (Lasch)<br>Spanish Seminary (DeHaan)<br>Egyptian (Barton)   |
| 4    | GRADUATE        | Latin Seminary, Cicero's Correspondence (Frank), 4-6<br>Seminary in Mediæval French Literature (Beck), 4.30-6<br>Hebrew Literature (Barton)<br>History Journal Club (W. R. Smith and Leake), 4-6. Alternate Weeks.<br>Economics Journal Club (Marion P. Smith, Fenwick and Kingsbury), 4-6. Alternate Weeks<br>Psychology Seminary (Leuba), 4-6<br>Mathematics (Conner), 4-6<br>Seminary in Zoology (Tennent), 4.30-6 | Greek Journal Club (Sanders), 4.30-6. Alternate Weeks<br>Latin Journal Club (Barton), 4.30-6. Alternate Weeks<br>Middle English Seminary (Barton), 4.30-6<br>German Journal Club (Jesensky), 4.30-6. Alternate Weeks<br>French Seminary, Molière (Barton), 4-6<br>Introduction to Old French (Barton), 4-6<br>Seminary in European History (Barton), 4-6<br>Seminary in Social Economics (Barton), 4-6<br>Seminary in Ethics (Theodores), 4.30-6<br>Mathematical Journal Club (Conner). Alternate Weeks<br>Psychology of Deficient and Abnormal (Leuba), 4-6 |
| 5    | GRADUATE        | Introduction to Teutonic Philology (Lasch)  |  |

# 2ND SEMESTER, 1915-16 (continued)

| WEDNESDAY   | THURSDAY  | FRIDAY   |
|---|---|--|
| Psychology, Major (Gordon)<br>Physics, Major (Huff)<br>Chemistry, Major (Brunel)<br>Geology, Major (Wallis)<br>Biology, Major (Tennent)   | Psychology, Major (Gordon)<br>Physics, Major (Huff)<br>Chemistry, Major (Brunel)<br>Geology, Major (Wallis)<br>Biology, Major (Tennent)   | Psychology, Major (Gordon)<br>Physics, Major (Huff)<br>Chemistry, Major (Brunel)<br>Geology, Major (Wallis)<br>Biology, Major (Tennent)  |
| French Literature (Schenck)   | French Literature (Giroud)  | French Literature (Giroud)   |
| Classics (Langdon)  |   |  |
| Class, <i>Electra</i> (Sanders)   | Greek, Sophocles, <i>Ajax</i> (Wright)  |  |
| German Literature (Jessen)  | German Literature (Jessen)  | German Literature (Jessen)   |
| French, Short Story (Schenck)   | French, Short Story (Schenck)   | French, Short Story (Schenck)  |
| Politics, Economic and Social (Marion P. Smith)   | Economics and Politics, Economic and Social Legislation (Marion P. Smith)   | Economics and Politics, Economic and Social Legislation (Marion P. Smith)  |
| Philosophy (Tennent)  |   |  |
| Seminary (Carpenter), 2-4   | Seminary in European History  | Greek Seminary, Homeric Question (Wright) 4-6<br>Advanced French Philology (Beck)  |
| Psychology, Major (Gordon)<br>Physics, Major (Huff)<br>Chemistry, Major (Brunel)<br>Geology, Major (Wallis)<br>Biology, Major (Tennent)   | Psychology, Major (Gordon)<br>Physics, Major (Huff)<br>Chemistry, Major (Brunel)<br>Geology, Major (Wallis)<br>Biology, Major (Tennent)   | Psychology, Major (Gordon)<br>Physics, Major (Huff)<br>Chemistry, Major (Brunel)<br>Geology, Major (Wallis)<br>Biology, Major (Tennent)  |
| Narrative Writing (Crandall)  | Narrative Writing (Crandall)  |  |
| Roman Satire (Wheeler)  | Roman Satire (Wheeler)  | Roman Satire (Wheeler)   |
| History, England under the Stuarts  | History, England under the Stuarts  | History, England under the Stuarts   |
| Greek Seminary, Greek Orators (Sanders), 3-4.30<br>Seminary in English Literature (Chew), 3-4.30<br>Comparative Teutonic Grammar (Lasch)<br>French Romanticism and Realism (Schenck)<br>Spanish Seminary (DeHaan), 3-4.30<br>Hebrew (Barton)<br>Seminary in Social Economy (Kingsbury)<br>Philosophical Journal Club (Theodore de Laguna, Grace de Laguna and Avey), 3-4.30   | Greek Seminary, Greek Orators (Sanders), 3-4.30<br>Seminary in English Literature (Chew), 3-4.30<br>Comparative Teutonic Grammar (Lasch)<br>French Romanticism and Realism (Schenck)<br>Spanish Seminary (DeHaan), 3-4.30<br>Hebrew (Barton)<br>Seminary in Social Economy (Kingsbury)<br>Philosophical Journal Club (Theodore de Laguna, Grace de Laguna and Avey), 3-4.30   | English Journal Club (C. F. Brown, Chew and Savage) 3-4.30. Alternate Weeks<br>Old Norse (Lasch)<br>Romance Languages Journal Club (DeHaan, Holbrook, Beck and Schenck), 3-4.30. Alternate Weeks<br>Archaeological Journal Club (Carpenter), 3-4.30. Alternate Weeks |
| Middle English Seminary (C. F. Brown), 4.30-6<br>Seminary in German Literature (Jessen), 4-6<br>Middle Low German (Lasch)<br>Semitic Seminary (Barton)<br>Seminary in Ancient History (Ferguson), 4-6<br>Seminary in Politics (Fenwick), 4-6<br>Seminary in Ethics (Theodore de Laguna), 4.30-6<br>Education Journal Club (Gordon and Castro), 4.30-6<br>Journal Club in History of Art (G. G. King) Alternate Weeks, 4.30-6<br>Mathematics (Scott), 4-6<br>Seminary in Physiology (Moore), 4-6 | Middle English Seminary (C. F. Brown), 4.30-6<br>Seminary in German Literature (Jessen), 4-6<br>Middle Low German (Lasch)<br>Semitic Seminary (Barton)<br>Seminary in Ancient History (Ferguson), 4-6<br>Seminary in Politics (Fenwick), 4-6<br>Seminary in Ethics (Theodore de Laguna), 4.30-6<br>Education Journal Club (Gordon and Castro), 4.30-6<br>Journal Club in History of Art (G. G. King) Alternate Weeks, 4.30-6<br>Mathematics (Scott), 4-6<br>Seminary in Physiology (Moore), 4-6 | Latin Seminary, Latin Comedy (Wheeler), 4.30-6<br>Middle High German (Lasch)<br>Semitic Seminary (Barton)<br>Seminary in Economics (Marion P. Smith), 4-6<br>Seminary in Methods of Teaching (Gordon) 4-6<br>Seminary in Petrology (Wallis), 4.30-6                  |
| Gothic (Lasch)<br>Geology Journal Club, Alternate Weeks, 4-6 (Wallis and T. C. Brown)   | Gothic (Lasch)<br>Geology Journal Club, Alternate Weeks, 4-6 (Wallis and T. C. Brown)   | Old High German (Lasch)<br>Spanish Philology (DeHaan)  |

# SCHEDULE OF COLLEGIATE EXAMINATIONS

|  |  |   |  |   |  |
|--|--|---|--|---|--|
|  |  |   |  | WEDNESDAY, JANUARY 23RD   |  |
|  |  |   |  | <b>MAJOR.</b><br>French Literature.....   |  |
|  |  |   |  | <b>ELECTIVE.</b><br>Descriptive Writing.....  |  |
|  |  |   |  | <b>POST-MAJOR.</b><br>Greek, Lucian.....<br>Latin, Roman Satire.....<br>German, Literature and History.....<br>French, Short Story.....<br>History, England under the Stuarts.....<br>Economics, Economic and Social Legislation.....   |  |
| MONDAY, JANUARY 24TH.  |  | TUESDAY, JANUARY 25TH.  |  | WEDNESDAY, JANUARY 26TH.  |  |
| <b>GENERAL.</b><br>First Year English, Composition.. 9-11                                  |  | <b>ELEMENTARY.</b><br>Greek..... 9-12<br>German..... 9-12<br>French..... 9-12   |  | <b>MINOR.</b><br>French Drama.....  |  |
| <b>MINOR.</b><br>Ancient History, Classical..... 9-11<br>Ancient Painting..... 9-11        |  | <b>GENERAL.</b><br>Philosophy..... 9-12   |  | <b>ELECTIVE.</b><br>History of Christian Doctrine.....<br>Education.....  |  |
| <b>MAJOR.</b><br>Latin, Literature..... 9-11   |  | <b>MINOR.</b><br>Greek, Plato and Sophocles..... 9-12.15<br>French Reading and Composition..... 9-11<br>Economics..... 9-12<br>Greek Sculpture..... 9-11<br>Mathematics, Analytical Conics... 9-11<br>Chemistry..... 9-12           |  | <b>POST-MAJOR.</b><br>Greek, Aeschylus.....<br>Latin, Lucretius and Catullus.....<br>French, Modern French Literature.....<br>Spanish.....<br>History, American Constitution.....<br>Social Statistics.....<br>Politics, International Law.....<br>Mathematics, Geometry.....<br>Experimental Psychology..... |  |
| <b>ELECTIVE.</b><br>Descriptive Astronomy..... 9-11  |  | <b>MAJOR.</b><br>German, Literature..... 9-11<br>German, Reading and Composition..... 11-12.15<br>Modern History, The French Revolution..... 9-12<br>Ancient History, Fifth Century Athens..... 9-11<br>Social Psychology..... 9-12 |  |   |  |
| <b>POST-MAJOR.</b><br>Mathematics, Analysis..... 2- 4<br>Vertebrate Paleontology..... 9-11 |  | <b>ELECTIVE.</b><br>New Testament Canon..... 9-10.15<br>Geology, Evolution of Vertebrates..... 2- 3.15<br>Biology, Theoretical..... 11-12.15  |  |   |  |
|  |  | <b>POST-MAJOR.</b><br>Biology, Physiological Chemistry. 9-11<br>Inorganic Chemistry..... 2- 4   |  |   |  |

## SCHEDULE OF MATRICULATION EXAMINATIONS

|   |  |   |  |  |  |
|---|--|---|--|--|--|
|   |  | THURSDAY, JANUARY 13TH.   |  | FRIDAY, JANUARY 14TH.                                      |  |
|   |  | Hour.<br>English Composition..... 9.30-12.30<br>English Grammar, etc..... 2.30- 4.30<br>Greek Poets..... 4.45- 5.45 |  | Algebra.....<br>Latin Poets.....<br>Greek Composition..... |  |
| MONDAY, JANUARY 31ST.   |  | TUESDAY, FEBRUARY 1ST.  |  |  |  |
| Hour.<br>Minor Latin, Section A..... 9.30-12.30<br>Trigonometry..... 2.30- 4.30 |  | Hour.<br>Minor Latin, Section B..... 9.30-12.30<br>Solid Geometry..... 2.30- 4.30                                   |  |  |  |

This schedule of examinations is printed in advance in order that students may elect their courses and plan their preparation. On this account it will be impossible to change the time of any examination, except in case of a change in the lecture schedule.

# SEMESTER, 1915-16.

| WEDNESDAY, JANUARY 20TH.   |       | FRIDAY, JANUARY 21ST.                 |          | SATURDAY, JANUARY 22ND.                   |             |
|----------------------------|-------|---------------------------------------|----------|---|-------------|
| GENERAL.                   | Hour. | GENERAL.                              | Hour.    | MINOR.                                    | Hour.       |
| English, Literature...     | 9-11  | Second Year English, Composition..... | 9-11     | Latin, Cicero.....                        | 9-11        |
| MINOR.                     |       |                                       |          | Italian.....                              | 9-12        |
| History, Oriental.....     | 9-11  | MINOR.                                |          | Experimental Psychology.....              | 9-12        |
| Modern Classics.....       | 9-12  | German, Literature.....               | 9-11     | Italian Renaissance Painting....          | 9-11        |
| MAJOR.                     |       |                                       |          | Physics.....                              | 9-12        |
| Business and Composition.. | 9-12  | MAJOR.                                |          | Geology.....                              | 9-12        |
|                            | 9-12  | French Composition.....               | 2- 3.15  | MAJOR.                                    |             |
|                            | 9-12  | Renaissance Sculpture.....            | 9-11     | Greek, Demosthenes and Aristophanes.....  | 9-12.15     |
|                            | 9-12  | ELECTIVE.                             |          | English, Drama.....                       | 9-12        |
|                            | 9-12  | Astrophysics.....                     | 9-11     | History of the United States....          | 9-12        |
| POST-MAJOR.                |       | A Study of Poetics.....               | 2- 3.15  | Politics.....                             | 9-12        |
|                            | 9-11  | German Composition.....               | 9-10.15  | Mathematics, Diff. and Int. Calculus..... | 9-12        |
|                            |       | POST-MAJOR.                           |          | Biology.....                              | 9-12        |
|                            |       | Greek, Herodotus.....                 | 2- 3.15  | ELECTIVE.                                 |             |
|                            |       | Latin, Prose Composition.....         | 2- 3.15  | Daily Themes.....                         | 2- 4        |
|                            |       | Middle High German.....               | 11-12.15 | Argumentation.....                        | 2- 4        |
|                            |       | Chemistry, Physical.....              | 9-11     |   |             |
| THURSDAY, JANUARY 27TH.    |       | FRIDAY, JANUARY 28TH.                 |          | SATURDAY, JANUARY 29TH.                   |             |
| GENERAL.                   | Hour. | MAJOR.                                | Hour.    | MINOR.                                    | Hour.       |
| English, Literature.....   | 9-11  | Second Year English, Literature..     | 9-11     | Greek, Homer.....                         | 9-11        |
|                            | 9-11  | MINOR.                                |          | French Essayists.....                     | 9-11        |
| MAJOR.                     |       | English, Anglo-Saxon.....             | 9-12     | Hellenistic Towns.....                    | 9-11        |
| Calculus.....              | 9-11  | English, 19th Century Critics....     | 9-12     | Mathematics, Trigonometry....             | 9-11        |
| Physics, Theory of Equa-   | 9-11  | German, Grammar and Reading..         | 9-11     | MAJOR.                                    |             |
|                            |       | Spanish.....                          | 9-12     | German, Faust.....                        | 9-11        |
| POST-MAJOR.                |       | History since 1815.....               | 9-12     | Ancient History, Historians of            |             |
| Organic.....               | 9-11  | Biology.....                          | 9-12     | Rome.....                                 | 9-10.15     |
| Physiology.....            | 2- 4  | MAJOR.                                |          | Ancient History, Roman Life....           | 10.30-11.45 |
|                            |       | Philosophy, History of.....           | 9-12     | ELECTIVE.                                 |             |
|                            |       | 17th and 18th Century Painting..      | 9-11     | Historical Dev. of Physics.....           | 9-10.15     |
|                            |       | Geology.....                          | 9-12     | POST-MAJOR.                               |             |
|                            |       | ELECTIVE.                             |          | Biology, Nervous System.....              | 2- 4        |
|                            |       | Mathematics, Graphic.....             | 9-10.15  |   |             |
|                            |       | Private Law.....                      | 11-12.15 |   |             |
|                            |       | POST-MAJOR.                           |          |   |             |
|                            |       | Physics.....                          | 9-11     |   |             |
|                            |       | Chemistry, Organic.....               | 9-11     |   |             |

# JANUARY-FEBRUARY, 1916.

| WEDNESDAY, JANUARY 15TH. |            | MONDAY, JANUARY 17TH.  |            | TUESDAY, JANUARY 18TH.   |            |
|--------------------------|------------|------------------------|------------|--------------------------|------------|
|                          | Hour.      |                        | Hour.      |                          | Hour.      |
| .....                    | 9.30-12.30 | Geometry.....          | 9.30-12    | German.....              | 9.30-12.30 |
| Authors.....             | 2.30- 4    | Latin Composition..... | 2.30- 4    | Latin Prose Authors..... | 2.30- 4.30 |
|                          | 4.15- 5.15 | Science.....           | 4.15- 5.45 |                          |            |
|                          |            |                        |            |                          |            |
|                          |            |                        |            |                          |            |



# SCHEDULE OF COLLEGIATE EXAMINATIONS

|   |   |  |
|---|---|--|
|   |   | WEDNESDAY, MAY 1   |
|   |   | MATRICULATION.<br>German.....<br>French.....   |
|   |   | MINOR.<br>Greek, Homer.....<br>French Essays.....<br>Ancient Rome.....<br>Mathematics, Theory of Equations.....<br>Chemistry.....  |
|   |   | MAJOR.<br>German, Faust.....<br>Ancient History, Historians.....<br>Rome.....<br>Ancient History, Roman Life.....  |
|   |   | ELECTIVE.<br>Hist. Development of Physics.....   |
|   |   | POST-MAJOR.<br>Biology, Nervous System.....  |
| MONDAY, MAY 22ND.   | TUESDAY, MAY 23RD.  | WEDNESDAY, MAY 24TH.   |
| MINOR.<br>Latin, Terence..... 9-11<br>Italian..... 9-12<br>Psychology..... 9-11<br>Italian, Renaissance Painting..... 9-11<br>Physics..... 9-12<br>Geology..... 9-12  | GENERAL.<br>First Year, English Composition.. 9-11<br>MINOR.<br>Ancient History, Classical..... 9-11<br>Greek and Roman Minor Arts... 9-11<br>MAJOR.<br>Latin, Literature..... 9-11<br>ELECTIVE.<br>Descriptive Astronomy.....<br>POST-MAJOR.<br>Mathematics, Analysis..... 2- 4<br>Vertebrate Paleontology..... 9-11 | MAJOR.<br>French Drama.....<br>ELECTIVE.<br>History of Christian Doctrine.....<br>English, Reading of Prose.....<br>Education.....<br>POST-MAJOR.<br>Greek, Pindar.....<br>Latin, Cicero and Caesar.....<br>French, Modern Drama.....<br>Spanish.....<br>History, American Constitution.....<br>Social Betterment.....<br>Politics, International Law.....<br>Experimental Psychology.....<br>Mathematics, Geometry..... |
| MAJOR.<br>Greek, Thucydides and Sophocles 9-11<br>Middle Eng. Poetry, Chaucer... 9-12<br>19th Century Fiction..... 9-12<br>History of England..... 9-12<br>History of Economic Thought... 9-12<br>Mathematics, Curve Tracing... 9-12<br>Biology..... 9-12 |   |  |
| ELECTIVE.<br>Argumentation..... 2- 4  |   |  |

## SCHEDULE OF MATRICULATION

|   |  |   |
|---|--|---|
|   |  |   |
|   |  |   |
| MONDAY, MAY 29TH.   | TUESDAY, MAY 30TH.   | WEDNESDAY, MAY 31ST.  |
| Hour.<br>French..... 9.30-12.30<br>History..... 2.30- 4<br>Greek, Prose Authors..... 4.15- 5.15 | Hour.<br>Geometry..... 9.30-12<br>Latin, Composition..... 2.30- 4<br>Science..... 4.15- 5.45 | Hour.<br>German..... 9.30-12<br>Latin, Prose Authors..... 2.30- 4 |

# OND SEMESTER, 1915-16.

| THURSDAY, MAY 18TH.    |       | FRIDAY, MAY 19TH.                            |         | SATURDAY, MAY 20TH.                    |          |
|------------------------|-------|--|---------|--|----------|
| MAJOR.                 | Hour. | GENERAL.                                     | Hour.   | GENERAL.                               | Hour.    |
| Literature.....        | 2- 4  | First Year, English Literature...            | 9-11    | Second Year, English Composition.....  | 9-11     |
| ELECTIVE.              |       | MINOR.                                       |         | MINOR.                                 |          |
| Writing.....           | 9-11  | Ancient History, Oriental.....               | 9-11    | German, Literature.....                | 9-11     |
| Post-MAJOR.            |       | Philosophy, Recent Philosophic Theories..... | 9-12    | MAJOR.                                 |          |
| Books.....             | 2- 4  | MAJOR.                                       |         | French, Composition.....               | 2- 3.15  |
| Man Satire.....        | 9-11  | Latin, Comedy and Composition.               | 9-12.15 | Renaissance Sculpture.....             | 9-11     |
| Literature and Reading | 2- 4  | Italian.....                                 | 9-12    | ELECTIVE.                              |          |
| Art Story.....         | 2- 4  | Spanish.....                                 | 9-12    | Astrophysics.....                      | 9-11     |
| England under the      | 9-11  | Physics.....                                 | 9-12    | A Study of Poetics.....                | 2- 3.15  |
| Economic and Social    | 2- 4  | Chemistry.....                               | 9-12    | German, Prose Composition.....         | 9-10.15  |
|                        |       | POST-MAJOR.                                  |         | POST-MAJOR.                            |          |
|                        |       | Petrography.....                             | 9-11    | Greek, Sophocles' <i>Electra</i> ..... | 2- 3.15  |
|                        |       |  |         | Latin, Prose Composition.....          | 2- 3.15  |
|                        |       |  |         | Middle High German.....                | 11-12.15 |
|                        |       |  |         | Chemistry, Physical.....               | 9-11     |

| THURSDAY, MAY 25TH.       |          | FRIDAY, MAY 26TH.             |       | SATURDAY, MAY 27TH.              |         |
|---------------------------|----------|-------------------------------|-------|----------------------------------|---------|
| DECLARATION.              | Hour.    | MINOR.                        | Hour. | GENERAL.                         | Hour.   |
|                           | 9-10.30  | Latin, Horace.....            | 9-11  | Second Year, English Literature. | 9-11    |
|                           | 9-10.30  | Gothic Architecture.....      | 9-11  | MINOR.                           |         |
|                           | 9-10.30  | MAJOR.                        |       | English, Poetry 1850-1914.....   | 9-12    |
| GENERAL.                  | 9-11     | Greek, Literature.....        | 9-11  | German, Grammar and Reading.     | 9-11    |
|                           |          | Mathematics, Anal. Geometry.. | 9-11  | Spanish.....                     | 9-12    |
| MINOR.                    |          | POST-MAJOR.                   |       | History of the Reformation.....  | 9-12    |
| Edoetus and Euripides.    | 9-12.15  | Chemistry, Organic.....       | 9-11  | History of the Middle Ages.....  | 9-12    |
| Reading and Composi-      | 9-11     | Biology, Embryology.....      | 2- 4  | Biology.....                     | 9-12    |
| l and Politics.....       | 9-12     |                               |       | MAJOR.                           |         |
| Life.....                 | 9-11     |                               |       | Philosophy, 19th Century.....    | 9-12    |
| s. Differential and       | 9-11     |                               |       | 17th and 18th Century Painting.  | 9-11    |
| Calculus.....             | 9-12     |                               |       | Geology.....                     | 9-12    |
| MAJOR.                    |          |                               |       | ELECTIVE.                        |         |
| Literature.....           | 9-11     |                               |       | Mathematics, Graphic.....        | 9-10.15 |
| Reading and Composi-      | 11-12.15 |                               |       | POST-MAJOR.                      |         |
| History, British Imperi-  | 9-11     |                               |       | Physics.....                     | 9-11    |
| History, First Century    | 9-11     |                               |       |                                  |         |
| History, Middle Ages..... | 9-11     |                               |       |                                  |         |
| Psychology.....           | 9-11     |                               |       |                                  |         |
| ELECTIVE.                 |          |                               |       |                                  |         |
| Canon.....                | 9-10.15  |                               |       |                                  |         |
| Evolution of Verte-       | 2- 3.15  |                               |       |                                  |         |
| brates.....               | 11-12.15 |                               |       |                                  |         |
| POST-MAJOR.               |          |                               |       |                                  |         |
| Biological Chemistry.     | 9-11     |                               |       |                                  |         |
| Chemistry.....            | 2- 4     |                               |       |                                  |         |

## MINATIONS, SPRING, 1916.

| THURSDAY, MAY 25TH. |            | FRIDAY, MAY 26TH.         |            | SATURDAY, MAY 27TH.     |            |
|---------------------|------------|---------------------------|------------|-------------------------|------------|
|                     | Hour.      |                           | Hour.      |                         | Hour.      |
| Section A.....      | 9.30-12.30 | English Composition.....  | 9.30-12.30 | Algebra.....            | 9.30-12    |
| Section B.....      | 9.30-11.30 | English Grammar, etc..... | 2.30- 4.30 | Latin Poets.....        | 2.30- 4    |
|                     | 2.30- 5.30 | Greek Poets.....          | 4.45- 5.45 | Greek, Composition..... | 4.15- 5.15 |
|                     | 2.30- 4.30 |                           |            |                         |            |
|                     |            |                           |            |                         |            |
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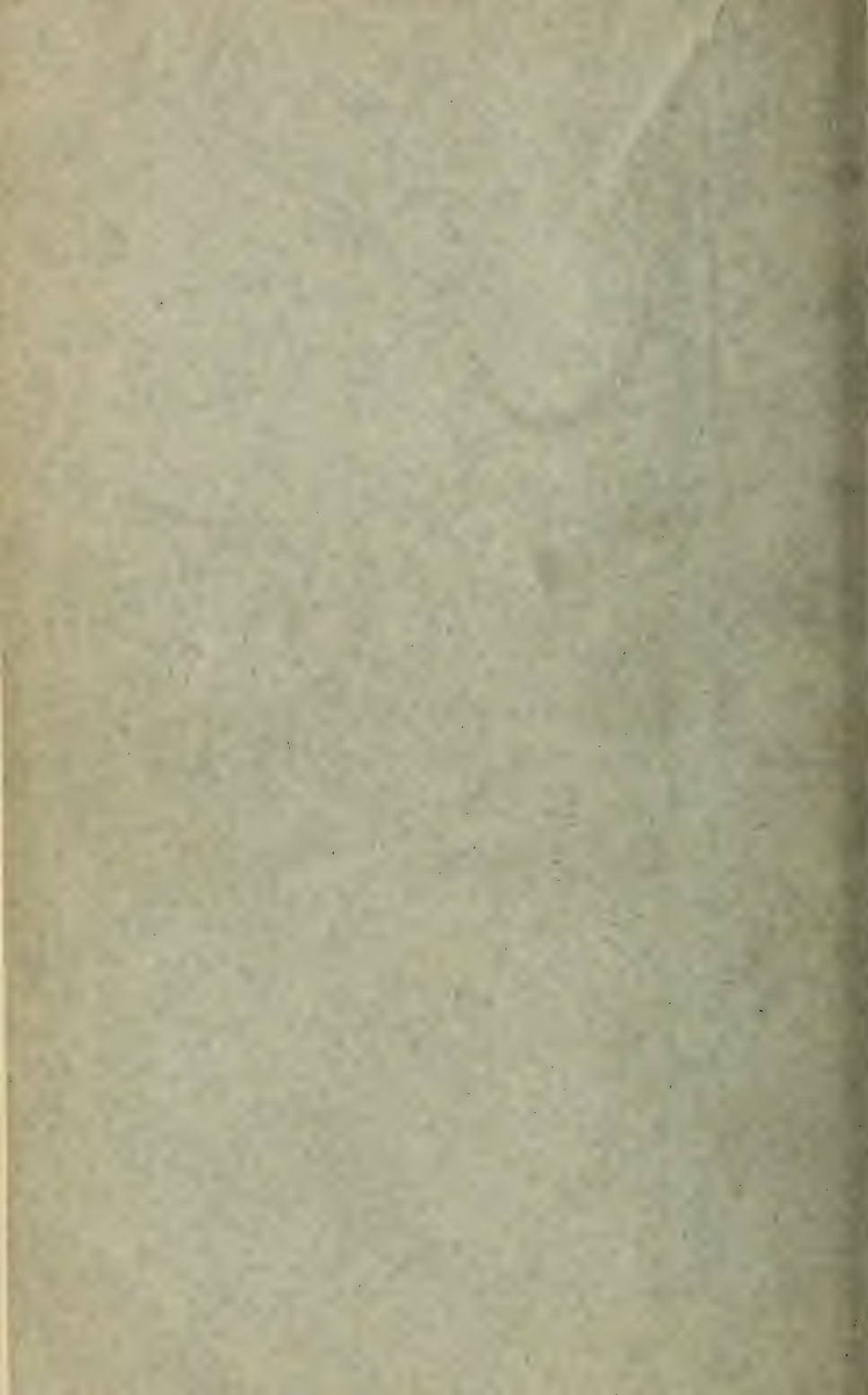












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# BRYN MAWR COLLEGE

## CALENDAR

### UNDERGRADUATE AND GRADUATE COURSES

1916



BRYN MAWR, PENNSYLVANIA.

Published by Bryn Mawr College,

May, 1916.





# BRYN MAWR COLLEGE

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# BRYN MAWR COLLEGE CALENDAR

1916.

- PART 1. Register of Alumnæ and Former Students.
- PART 2. Graduate Courses.
- PART 3. Undergraduate and Graduate Courses.
- PART 4. Academic Buildings and Halls of Residence,  
Plans and Descriptions.

# BRYN MAWR COLLEGE.

## COLLEGE CALENDAR.

| 1916.    |    |    |    |    |    |    |           |    |    |    |    |    |    | 1917.    |    |    |    |    |    |    |           |    |    |    |    |    |    | 1918.    |    |    |    |    |    |    |  |  |  |  |  |  |  |
|----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----------|----|----|----|----|----|----|--|--|--|--|--|--|--|
| JANUARY  |    |    |    |    |    |    | JULY      |    |    |    |    |    |    | JANUARY  |    |    |    |    |    |    | JULY      |    |    |    |    |    |    | JANUARY  |    |    |    |    |    |    |  |  |  |  |  |  |  |
| S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  |  |  |  |  |  |  |  |
|          |    |    |    |    |    | 1  |           |    |    |    |    |    | 1  |          |    |    |    |    |    |    |           | 1  | 2  | 3  | 4  | 5  | 6  | 7        |    |    |    |    |    |    |  |  |  |  |  |  |  |
| 2        | 3  | 4  | 5  | 6  | 7  | 8  | 2         | 3  | 4  | 5  | 6  | 7  | 8  | 7        | 8  | 9  | 10 | 11 | 12 | 13 | 14        | 15 | 16 | 17 | 18 | 19 | 20 | 21       | 22 | 23 | 24 | 25 | 26 | 27 |  |  |  |  |  |  |  |
| 9        | 10 | 11 | 12 | 13 | 14 | 15 | 9         | 10 | 11 | 12 | 13 | 14 | 15 | 14       | 15 | 16 | 17 | 18 | 19 | 20 | 21        | 22 | 23 | 24 | 25 | 26 | 27 | 28       | 29 | 30 | 31 |    |    |    |  |  |  |  |  |  |  |
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| 30       | 31 |    |    |    |    |    | 30        | 31 |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |          |    |    |    |    |    |    |  |  |  |  |  |  |  |
| FEBRUARY |    |    |    |    |    |    | AUGUST    |    |    |    |    |    |    | FEBRUARY |    |    |    |    |    |    | AUGUST    |    |    |    |    |    |    | FEBRUARY |    |    |    |    |    |    |  |  |  |  |  |  |  |
| S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  |  |  |  |  |  |  |  |
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| 6        | 7  | 8  | 9  | 10 | 11 | 12 | 6         | 7  | 8  | 9  | 10 | 11 | 12 | 4        | 5  | 6  | 7  | 8  | 9  | 10 | 11        | 12 | 13 | 14 | 15 | 16 | 17 | 18       | 19 | 20 | 21 | 22 | 23 | 24 |  |  |  |  |  |  |  |
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| 27       | 28 | 29 |    |    |    |    | 27        | 28 | 29 | 30 | 31 |    |    | 25       | 26 | 27 | 28 |    |    |    |           |    |    |    |    |    |    |          |    |    |    |    |    |    |  |  |  |  |  |  |  |
| MARCH    |    |    |    |    |    |    | SEPTEMBER |    |    |    |    |    |    | MARCH    |    |    |    |    |    |    | SEPTEMBER |    |    |    |    |    |    | MARCH    |    |    |    |    |    |    |  |  |  |  |  |  |  |
| S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  |  |  |  |  |  |  |  |
|          |    |    |    |    |    | 1  |           |    |    |    |    |    | 1  |          |    |    |    |    |    |    |           | 1  | 2  | 3  | 4  | 5  | 6  | 7        |    |    |    |    |    |    |  |  |  |  |  |  |  |
| 5        | 6  | 7  | 8  | 9  | 10 | 11 | 3         | 4  | 5  | 6  | 7  | 8  | 9  | 4        | 5  | 6  | 7  | 8  | 9  | 10 | 11        | 12 | 13 | 14 | 15 | 16 | 17 | 18       | 19 | 20 | 21 | 22 | 23 | 24 |  |  |  |  |  |  |  |
| 12       | 13 | 14 | 15 | 16 | 17 | 18 | 10        | 11 | 12 | 13 | 14 | 15 | 16 | 11       | 12 | 13 | 14 | 15 | 16 | 17 | 18        | 19 | 20 | 21 | 22 | 23 | 24 | 25       | 26 | 27 | 28 | 29 | 30 | 31 |  |  |  |  |  |  |  |
| 19       | 20 | 21 | 22 | 23 | 24 | 25 | 17        | 18 | 19 | 20 | 21 | 22 | 23 | 18       | 19 | 20 | 21 | 22 | 23 | 24 | 25        | 26 | 27 | 28 | 29 | 30 | 31 |          |    |    |    |    |    |    |  |  |  |  |  |  |  |
| 26       | 27 | 28 | 29 | 30 | 31 |    | 24        | 25 | 26 | 27 | 28 | 29 | 30 | 25       | 26 | 27 | 28 | 29 | 30 | 31 |           |    |    |    |    |    |    |          |    |    |    |    |    |    |  |  |  |  |  |  |  |
| APRIL    |    |    |    |    |    |    | OCTOBER   |    |    |    |    |    |    | APRIL    |    |    |    |    |    |    | OCTOBER   |    |    |    |    |    |    | APRIL    |    |    |    |    |    |    |  |  |  |  |  |  |  |
| S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  |  |  |  |  |  |  |  |
|          |    |    |    |    |    | 1  |           |    |    |    |    |    | 1  |          |    |    |    |    |    |    |           | 1  | 2  | 3  | 4  | 5  | 6  | 7        |    |    |    |    |    |    |  |  |  |  |  |  |  |
| 2        | 3  | 4  | 5  | 6  | 7  | 8  | 8         | 9  | 10 | 11 | 12 | 13 | 14 | 1        | 2  | 3  | 4  | 5  | 6  | 7  | 8         | 9  | 10 | 11 | 12 | 13 | 14 | 15       | 16 | 17 | 18 | 19 | 20 | 21 |  |  |  |  |  |  |  |
| 9        | 10 | 11 | 12 | 13 | 14 | 15 | 15        | 16 | 17 | 18 | 19 | 20 | 21 | 15       | 16 | 17 | 18 | 19 | 20 | 21 | 22        | 23 | 24 | 25 | 26 | 27 | 28 | 29       | 30 | 31 |    |    |    |    |  |  |  |  |  |  |  |
| 16       | 17 | 18 | 19 | 20 | 21 | 22 | 22        | 23 | 24 | 25 | 26 | 27 | 28 | 22       | 23 | 24 | 25 | 26 | 27 | 28 | 29        | 30 | 31 |    |    |    |    |          |    |    |    |    |    |    |  |  |  |  |  |  |  |
| 23       | 24 | 25 | 26 | 27 | 28 | 29 | 29        | 30 | 31 |    |    |    |    | 29       | 30 |    |    |    |    |    |           |    |    |    |    |    |    |          |    |    |    |    |    |    |  |  |  |  |  |  |  |
| 30       |    |    |    |    |    |    |           |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |          |    |    |    |    |    |    |  |  |  |  |  |  |  |
| MAY      |    |    |    |    |    |    | NOVEMBER  |    |    |    |    |    |    | MAY      |    |    |    |    |    |    | NOVEMBER  |    |    |    |    |    |    | MAY      |    |    |    |    |    |    |  |  |  |  |  |  |  |
| S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  |  |  |  |  |  |  |  |
|          |    |    |    |    |    | 1  |           |    |    |    |    |    | 1  |          |    |    |    |    |    |    |           | 1  | 2  | 3  | 4  | 5  | 6  | 7        |    |    |    |    |    |    |  |  |  |  |  |  |  |
| 7        | 8  | 9  | 10 | 11 | 12 | 13 | 5         | 6  | 7  | 8  | 9  | 10 | 11 | 6        | 7  | 8  | 9  | 10 | 11 | 12 | 13        | 14 | 15 | 16 | 17 | 18 | 19 | 20       | 21 | 22 | 23 | 24 | 25 | 26 |  |  |  |  |  |  |  |
| 14       | 15 | 16 | 17 | 18 | 19 | 20 | 12        | 13 | 14 | 15 | 16 | 17 | 18 | 13       | 14 | 15 | 16 | 17 | 18 | 19 | 20        | 21 | 22 | 23 | 24 | 25 | 26 | 27       | 28 | 29 | 30 | 31 |    |    |  |  |  |  |  |  |  |
| 21       | 22 | 23 | 24 | 25 | 26 | 27 | 19        | 20 | 21 | 22 | 23 | 24 | 25 | 20       | 21 | 22 | 23 | 24 | 25 | 26 | 27        | 28 | 29 | 30 | 31 |    |    |          |    |    |    |    |    |    |  |  |  |  |  |  |  |
| 28       | 29 | 30 | 31 |    |    |    | 26        | 27 | 28 | 29 | 30 |    |    | 27       | 28 | 29 | 30 | 31 |    |    |           |    |    |    |    |    |    |          |    |    |    |    |    |    |  |  |  |  |  |  |  |
| JUNE     |    |    |    |    |    |    | DECEMBER  |    |    |    |    |    |    | JUNE     |    |    |    |    |    |    | DECEMBER  |    |    |    |    |    |    | JUNE     |    |    |    |    |    |    |  |  |  |  |  |  |  |
| S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  |  |  |  |  |  |  |  |
|          |    |    |    |    |    | 1  |           |    |    |    |    |    | 1  |          |    |    |    |    |    |    |           | 1  | 2  | 3  | 4  | 5  | 6  | 7        |    |    |    |    |    |    |  |  |  |  |  |  |  |
| 4        | 5  | 6  | 7  | 8  | 9  | 10 | 3         | 4  | 5  | 6  | 7  | 8  | 9  | 3        | 4  | 5  | 6  | 7  | 8  | 9  | 10        | 11 | 12 | 13 | 14 | 15 | 16 | 17       | 18 | 19 | 20 | 21 | 22 | 23 |  |  |  |  |  |  |  |
| 11       | 12 | 13 | 14 | 15 | 16 | 17 | 10        | 11 | 12 | 13 | 14 | 15 | 16 | 10       | 11 | 12 | 13 | 14 | 15 | 16 | 17        | 18 | 19 | 20 | 21 | 22 | 23 | 24       | 25 | 26 | 27 | 28 | 29 | 30 |  |  |  |  |  |  |  |
| 18       | 19 | 20 | 21 | 22 | 23 | 24 | 17        | 18 | 19 | 20 | 21 | 22 | 23 | 17       | 18 | 19 | 20 | 21 | 22 | 23 | 24        | 25 | 26 | 27 | 28 | 29 | 30 | 31       |    |    |    |    |    |    |  |  |  |  |  |  |  |
| 25       | 26 | 27 | 28 | 29 | 30 |    | 24        | 25 | 26 | 27 | 28 | 29 | 30 | 24       | 25 | 26 | 27 | 28 | 29 | 30 |           |    |    |    |    |    |    |          |    |    |    |    |    |    |  |  |  |  |  |  |  |

The academic year will close with the Conferring of Degrees at eleven o'clock, on June 7th, 1917.



## ACADEMIC YEAR, 1916-17.

|                 |  |
|-----------------|--|
| September 26th. | Matriculation examinations begin.  |
| October 2nd.    | Registration of students. Halls of Residence open for students at three p. m.    |
| October 3rd.    | Registration of students.<br>Matriculation examinations end.                     |
| October 4th.    | The work of the thirty-second academic year begins at a quarter to nine o'clock. |
| October 5th.    | Examinations for advanced standing begin.  |
| October 14th.   | Senior oral examination in French.   |
| October 21st.   | Senior oral examination in German.   |
| October 26th.   | Examinations for advanced standing end.  |
| November 20th.  | Collegiate and matriculation condition examinations begin.                       |
| November 28th.  | Collegiate and matriculation condition examinations end.                         |
| November 29th.  | Thanksgiving vacation begins at one o'clock.                                     |
| December 4th.   | Thanksgiving vacation ends at nine o'clock.                                      |
| December 9th.   | Senior oral examination in French.   |
| December 16th.  | Senior oral examination in German.   |
| December 20th.  | Christmas vacation begins at one o'clock.  |
| January 4th.    | Christmas vacation ends at nine o'clock.   |
| January 18th.   | Matriculation examinations begin.  |
| January 23rd.   | Matriculation examinations end.  |
| January 24th.   | Half-yearly collegiate examinations begin.                                       |
| February 3rd.   | Collegiate examinations end.<br>Annual meeting of the Alumnae Association.       |
| February 5th.   | Vacation.  |
| February 6th.   | Vacation.  |
| February 7th.   | The work of the second semester begins at a quarter to nine o'clock.             |
| February 8th.   | Examinations for advanced standing begin.  |
| March 1st.      | Examinations for advanced standing end.  |
| March 16th.     | Announcement of European Fellowships.  |
| March 17th.     | Senior oral examination in French.   |
| March 20th.     | Mid-semester examination in matriculation Greek.                                 |
| March 24th.     | Senior oral examination in German.   |
| March 26th.     | Collegiate and matriculation condition examinations begin.                       |
| April 3rd.      | Collegiate and matriculation condition examinations end.                         |
| April 4th.      | Easter vacation begins at one o'clock.   |
| April 12th.     | Easter vacation ends at nine o'clock.  |
| May 12th.       | Senior oral examinations in French and German.                                   |
| May 22nd.       | Vacation.  |
| May 23rd.       | Collegiate examinations begin.   |

|           |   |
|-----------|---|
| May 31st. | Matriculation examinations begin.                               |
| June 2nd. | Collegiate examinations end.                                    |
| June 6th. | Matriculation examinations end.                                 |
| June 7th. | Conferring of degrees and close of thirty-second academic year. |

#### ACADEMIC YEAR, 1917-18.

|                 |   |
|-----------------|---|
| September 25th. | Matriculation examinations begin.   |
| October 1st.    | Registration of students. Halls of Residence open for students at three p. m.   |
| October 2nd.    | Registration of students.<br>Matriculation examinations end.                    |
| October 3rd.    | The work of the thirty-third academic year begins at a quarter to nine o'clock. |
| October 4th.    | Examinations for advanced standing begin.                                       |
| October 13th.   | Senior oral examination in French.  |
| October 20th.   | Senior oral examination in German.  |
| October 25th.   | Examinations for advanced standing end.   |
| November 19th.  | Collegiate and matriculation condition examinations begin.                      |
| November 27th.  | Collegiate and matriculation condition examinations end.                        |
| November 28th.  | Thanksgiving vacation begins at one o'clock.                                    |
| December 3rd.   | Thanksgiving vacation ends at nine o'clock.                                     |
| December 8th.   | Senior oral examination in French.  |
| December 15th.  | Senior oral examination in German.  |
| December 19th.  | Christmas vacation begins at one o'clock.                                       |
| January 3rd.    | Christmas vacation ends at nine o'clock.  |
| January 17th.   | Matriculation examinations begin.   |
| January 22nd.   | Matriculation examinations end.   |
| January 23rd.   | Half-yearly collegiate examinations begin.                                      |
| February 2nd.   | Collegiate examinations end.<br>Annual meeting of the Alumnæ Association.       |
| February 4th.   | Vacation.   |
| February 5th.   | Vacation.   |
| February 6th.   | The work of the second semester begins at a quarter to nine o'clock.            |
| February 7th.   | Examinations for advanced standing begin.                                       |
| February 28th.  | Examinations for advanced standing end.   |
| March 15th.     | Announcement of European Fellowships.   |
| March 16th.     | Senior oral examination in French.  |
| March 18th.     | Collegiate and matriculation condition examinations begin.                      |
| March 19th.     | Mid-semester examination in matriculation Greek.                                |
| March 23rd.     | Senior oral examination in German.  |
| March 26th.     | Collegiate and matriculation condition examinations end.                        |

|             |  |
|-------------|--|
| March 27th. | Easter vacation begins at one o'clock.                         |
| April 4th.  | Easter vacation ends at nine o'clock.                          |
| May 11th.   | Senior oral examinations in French and German.                 |
| May 21st.   | Vacation.  |
| May 22nd.   | Collegiate examinations begin.                                 |
| May 30th.   | Matriculation examinations begin.                              |
| June 1st.   | Collegiate examinations end.                                   |
| June 5th.   | Matriculation examinations end.                                |
| June 6th.   | Conferring of degrees and close of thirty-third academic year. |

#### ACADEMIC YEAR, 1918-19.

|                 |  |
|-----------------|--|
| September 24th. | Matriculation examinations begin.  |
| September 30th. | Registration of students. Halls of Residence open for students at three p. m.    |
| October 1st.    | Registration of students.<br>Matriculation examinations end.                     |
| October 2nd.    | The work of the thirty-fourth academic year begins at a quarter to nine o'clock. |

## SPRING, 1916.

## THURSDAY, MAY 25.

|                                  |                              |
|----------------------------------|------------------------------|
| <i>Minor Latin, A,</i> . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Trigonometry,</i> . . . . .   | $9\frac{1}{2}-11\frac{1}{2}$ |
| <i>Minor Latin, B,</i> . . . . . | $2\frac{1}{2}-5\frac{1}{2}$  |
| <i>Solid Geometry,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## FRIDAY, MAY 26.

|   |                              |
|---|------------------------------|
| <i>English Composition,</i> . . . . .   | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>English Grammar, etc.,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Poets,</i> . . . . .           | $4\frac{3}{4}-5\frac{3}{4}$  |

## SATURDAY, MAY 27.

|   |                             |
|---|-----------------------------|
| <i>Algebra,</i> . . . . .                             | $9\frac{1}{2}-12$           |
| <i>Latin Poets,</i> . . . . .                         | $2\frac{1}{2}-4$            |
| <i>Greek Grammar and Com-<br/>position,</i> . . . . . | $4\frac{1}{4}-5\frac{1}{4}$ |

## AUTUMN, 1916.

## TUESDAY, SEPTEMBER 26.

|   |                              |
|---|------------------------------|
| <i>English Composition,</i> . . . . .   | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>English Grammar, etc.,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Poets,</i> . . . . .           | $4\frac{3}{4}-5\frac{3}{4}$  |

## WEDNESDAY, SEPTEMBER 27.

|   |                             |
|---|-----------------------------|
| <i>Algebra,</i> . . . . .                             | $9\frac{1}{2}-12$           |
| <i>Latin Poets,</i> . . . . .                         | $2\frac{1}{2}-4$            |
| <i>Greek Grammar and Com-<br/>position,</i> . . . . . | $4\frac{1}{4}-5\frac{1}{4}$ |

## THURSDAY, SEPTEMBER 28.

|                                       |                              |
|---------------------------------------|------------------------------|
| <i>French,</i> . . . . .              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>History,</i> . . . . .             | $2\frac{1}{2}-4$             |
| <i>Greek Prose Authors,</i> . . . . . | $4\frac{1}{4}-5\frac{1}{4}$  |

## FRIDAY, SEPTEMBER 29.

|                                     |                             |
|-------------------------------------|-----------------------------|
| <i>Geometry,</i> . . . . .          | $9\frac{1}{2}-12$           |
| <i>Latin Composition,</i> . . . . . | $2\frac{1}{2}-4$            |
| <i>Science,</i> . . . . .           | $4\frac{1}{4}-5\frac{3}{4}$ |

## SATURDAY, SEPTEMBER 30.

|                                       |                              |
|---------------------------------------|------------------------------|
| <i>German,</i> . . . . .              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Latin Prose Authors,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## WEDNESDAY, OCTOBER 4.

|                                  |                              |
|----------------------------------|------------------------------|
| <i>Minor Latin, A,</i> . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Trigonometry,</i> . . . . .   | $2\frac{1}{2}-4\frac{1}{2}$  |

## THURSDAY, OCTOBER 5.

|                                  |                              |
|----------------------------------|------------------------------|
| <i>Minor Latin, B,</i> . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Solid Geometry,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## MONDAY, MAY 29.

|                                       |                              |
|---------------------------------------|------------------------------|
| <i>French,</i> . . . . .              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>History,</i> . . . . .             | $2\frac{1}{2}-4$             |
| <i>Greek Prose Authors,</i> . . . . . | $4\frac{1}{4}-5\frac{1}{4}$  |

## TUESDAY, MAY 30.

|                                     |                             |
|-------------------------------------|-----------------------------|
| <i>Geometry,</i> . . . . .          | $9\frac{1}{2}-12$           |
| <i>Latin Composition,</i> . . . . . | $2\frac{1}{2}-4$            |
| <i>Science,</i> . . . . .           | $4\frac{1}{4}-5\frac{3}{4}$ |

## WEDNESDAY, MAY 31.

|                                       |                              |
|---------------------------------------|------------------------------|
| <i>German,</i> . . . . .              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Latin Prose Authors,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## WINTER, 1917.

## THURSDAY, JANUARY 18.

|   |                              |
|---|------------------------------|
| <i>English Composition,</i> . . . . .   | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>English Grammar, etc.,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Poets,</i> . . . . .           | $4\frac{3}{4}-5\frac{3}{4}$  |

## FRIDAY, JANUARY 19.

|   |                             |
|---|-----------------------------|
| <i>Algebra,</i> . . . . .                             | $9\frac{1}{2}-12$           |
| <i>Latin Poets,</i> . . . . .                         | $2\frac{1}{2}-4$            |
| <i>Greek Grammar and Com-<br/>position,</i> . . . . . | $4\frac{1}{4}-5\frac{1}{4}$ |

## SATURDAY, JANUARY 20.

|                                       |                              |
|---------------------------------------|------------------------------|
| <i>French,</i> . . . . .              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>History,</i> . . . . .             | $2\frac{1}{2}-4$             |
| <i>Greek Prose Authors,</i> . . . . . | $4\frac{1}{4}-5\frac{1}{4}$  |

## MONDAY, JANUARY 22.

|                                     |                             |
|-------------------------------------|-----------------------------|
| <i>Geometry,</i> . . . . .          | $9\frac{1}{2}-12$           |
| <i>Latin Composition,</i> . . . . . | $2\frac{1}{2}-4$            |
| <i>Science,</i> . . . . .           | $4\frac{1}{4}-5\frac{3}{4}$ |

## TUESDAY, JANUARY 23.

|                                       |                              |
|---------------------------------------|------------------------------|
| <i>German,</i> . . . . .              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Latin Prose Authors,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## MONDAY, FEBRUARY 5.

|                                  |                              |
|----------------------------------|------------------------------|
| <i>Minor Latin, A,</i> . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Trigonometry</i> . . . . .    | $2\frac{1}{2}-4\frac{1}{2}$  |

## TUESDAY, FEBRUARY 6.

|                                  |                              |
|----------------------------------|------------------------------|
| <i>Minor Latin, B,</i> . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Solid Geometry,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |



SPRING, 1917.

THURSDAY, MAY 31.

|                                  |                              |
|----------------------------------|------------------------------|
| <i>Minor Latin, A,</i> . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Trigonometry,</i> . . . . .   | $9\frac{1}{2}-11\frac{1}{2}$ |
| <i>Minor Latin, B,</i> . . . . . | $2\frac{1}{2}-5\frac{1}{2}$  |
| <i>Solid Geometry,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

FRIDAY, JUNE 1.

|   |                              |
|---|------------------------------|
| <i>English Composition,</i> . . . . .   | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>English Grammar, etc.,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Poets,</i> . . . . .           | $4\frac{3}{4}-5\frac{3}{4}$  |

SATURDAY, JUNE 2.

|   |                             |
|---|-----------------------------|
| <i>Algebra,</i> . . . . .                             | $9\frac{1}{2}-12$           |
| <i>Latin Poets,</i> . . . . .                         | $2\frac{1}{2}-4$            |
| <i>Greek Grammar and Com-<br/>position,</i> . . . . . | $4\frac{1}{4}-5\frac{1}{4}$ |

AUTUMN, 1917.

TUESDAY, SEPTEMBER 25.

|   |                              |
|---|------------------------------|
| <i>English Composition,</i> . . . . .   | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>English Grammar, etc.,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Poets,</i> . . . . .           | $4\frac{3}{4}-5\frac{3}{4}$  |

WEDNESDAY, SEPTEMBER 26.

|   |                             |
|---|-----------------------------|
| <i>Algebra,</i> . . . . .                             | $9\frac{1}{2}-12$           |
| <i>Latin Poets,</i> . . . . .                         | $2\frac{1}{2}-4$            |
| <i>Greek Grammar and Com-<br/>position,</i> . . . . . | $4\frac{1}{4}-5\frac{1}{4}$ |

THURSDAY, SEPTEMBER 27.

|                                       |                              |
|---------------------------------------|------------------------------|
| <i>French,</i> . . . . .              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>History,</i> . . . . .             | $2\frac{1}{2}-4$             |
| <i>Greek Prose Authors,</i> . . . . . | $4\frac{1}{4}-5\frac{1}{4}$  |

FRIDAY, SEPTEMBER 28.

|                                     |                             |
|-------------------------------------|-----------------------------|
| <i>Geometry,</i> . . . . .          | $9\frac{1}{2}-12$           |
| <i>Latin Composition,</i> . . . . . | $2\frac{1}{2}-4$            |
| <i>Science,</i> . . . . .           | $4\frac{1}{4}-5\frac{3}{4}$ |

SATURDAY, SEPTEMBER 29.

|                                       |                              |
|---------------------------------------|------------------------------|
| <i>German,</i> . . . . .              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Latin Prose Authors,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

WEDNESDAY, OCTOBER 3.

|                                  |                              |
|----------------------------------|------------------------------|
| <i>Minor Latin, A,</i> . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Trigonometry,</i> . . . . .   | $2\frac{1}{2}-4\frac{1}{2}$  |

THURSDAY, OCTOBER 4.

|                                  |                              |
|----------------------------------|------------------------------|
| <i>Minor Latin, B,</i> . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Solid Geometry,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

MONDAY, JUNE 4.

|                                       |                              |
|---------------------------------------|------------------------------|
| <i>French,</i> . . . . .              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>History,</i> . . . . .             | $2\frac{1}{2}-4$             |
| <i>Greek Prose Authors,</i> . . . . . | $4\frac{1}{4}-5\frac{1}{4}$  |

TUESDAY, JUNE 5.

|                                     |                             |
|-------------------------------------|-----------------------------|
| <i>Geometry,</i> . . . . .          | $9\frac{1}{2}-12$           |
| <i>Latin Composition,</i> . . . . . | $2\frac{1}{2}-4$            |
| <i>Science,</i> . . . . .           | $4\frac{1}{4}-5\frac{1}{4}$ |

WEDNESDAY, JUNE 6.

|                                       |                              |
|---------------------------------------|------------------------------|
| <i>German,</i> . . . . .              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Latin Prose Authors,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

WINTER, 1918.

THURSDAY, JANUARY 17.

|   |                              |
|---|------------------------------|
| <i>English Composition,</i> . . . . .   | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>English Grammar, etc.,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Poets,</i> . . . . .           | $4\frac{3}{4}-5\frac{3}{4}$  |

FRIDAY, JANUARY 18.

|   |                             |
|---|-----------------------------|
| <i>Algebra,</i> . . . . .                             | $9\frac{1}{2}-12$           |
| <i>Latin Poets,</i> . . . . .                         | $2\frac{1}{2}-4$            |
| <i>Greek Grammar and Com-<br/>position,</i> . . . . . | $4\frac{1}{4}-5\frac{1}{4}$ |

SATURDAY, JANUARY 19.

|                                       |                              |
|---------------------------------------|------------------------------|
| <i>French,</i> . . . . .              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>History,</i> . . . . .             | $2\frac{1}{2}-4$             |
| <i>Greek Prose Authors,</i> . . . . . | $4\frac{1}{4}-5\frac{1}{4}$  |

MONDAY, JANUARY 21.

|                                     |                             |
|-------------------------------------|-----------------------------|
| <i>Geometry,</i> . . . . .          | $9\frac{1}{2}-12$           |
| <i>Latin Composition,</i> . . . . . | $2\frac{1}{2}-4$            |
| <i>Science,</i> . . . . .           | $4\frac{1}{4}-5\frac{1}{4}$ |

TUESDAY, JANUARY 22.

|                                       |                              |
|---------------------------------------|------------------------------|
| <i>German,</i> . . . . .              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Latin Prose Authors,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

MONDAY, FEBRUARY 4.

|                                  |                              |
|----------------------------------|------------------------------|
| <i>Minor Latin, A,</i> . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Trigonometry,</i> . . . . .   | $2\frac{1}{2}-4\frac{1}{2}$  |

TUESDAY, FEBRUARY 5.

|                                  |                              |
|----------------------------------|------------------------------|
| <i>Minor Latin, B,</i> . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Solid Geometry,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## SPRING, 1918.

## THURSDAY, MAY 30.

|                                   |                              |
|-----------------------------------|------------------------------|
| <i>Minor Latin, A</i> , . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Trigonometry</i> , . . . . .   | $9\frac{1}{2}-11\frac{1}{2}$ |
| <i>Minor Latin, B</i> , . . . . . | $2\frac{1}{2}-5\frac{1}{2}$  |
| <i>Solid Geometry</i> , . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## FRIDAY, MAY 31.

|                                      |                              |
|--------------------------------------|------------------------------|
| <i>English Composition</i> , . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>English Grammar, etc.</i> , . . . | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Poets</i> , . . . . .       | $4\frac{3}{4}-5\frac{3}{4}$  |

## SATURDAY, JUNE 1.

|  |                             |
|--|-----------------------------|
| <i>Algebra</i> , . . . . .                             | $9\frac{1}{2}-12$           |
| <i>Latin Poets</i> , . . . . .                         | $2\frac{1}{2}-4$            |
| <i>Greek Grammar and Com-<br/>position</i> , . . . . . | $4\frac{1}{4}-5\frac{1}{4}$ |

## AUTUMN, 1918.

## TUESDAY, SEPTEMBER 24.

|                                      |                              |
|--------------------------------------|------------------------------|
| <i>English Composition</i> , . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>English Grammar, etc.</i> , . . . | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Poets</i> , . . . . .       | $4\frac{3}{4}-5\frac{3}{4}$  |

## WEDNESDAY, SEPTEMBER 25.

|  |                             |
|--|-----------------------------|
| <i>Algebra</i> , . . . . .                             | $9\frac{1}{2}-12$           |
| <i>Latin Poets</i> , . . . . .                         | $2\frac{1}{2}-4$            |
| <i>Greek Grammar and Com-<br/>position</i> , . . . . . | $4\frac{1}{4}-5\frac{1}{4}$ |

## THURSDAY, SEPTEMBER 26.

|                                    |                              |
|------------------------------------|------------------------------|
| <i>French</i> , . . . . .          | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>History</i> , . . . . .         | $2\frac{1}{2}-4$             |
| <i>Greek Prose Authors</i> , . . . | $4\frac{1}{4}-5\frac{1}{4}$  |

## FRIDAY, SEPTEMBER 27.

|                                    |                             |
|------------------------------------|-----------------------------|
| <i>Geometry</i> , . . . . .        | $9\frac{1}{2}-12$           |
| <i>Latin Composition</i> , . . . . | $2\frac{1}{2}-4$            |
| <i>Science</i> , . . . . .         | $4\frac{1}{4}-5\frac{3}{4}$ |

## SATURDAY, SEPTEMBER 28.

|                                    |                              |
|------------------------------------|------------------------------|
| <i>German</i> , . . . . .          | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Latin Prose Authors</i> , . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## WEDNESDAY, OCTOBER 2.

|                                   |                              |
|-----------------------------------|------------------------------|
| <i>Minor Latin, A</i> , . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Trigonometry</i> , . . . . .   | $2\frac{1}{2}-4\frac{1}{2}$  |

## THURSDAY, OCTOBER 3.

|                                   |                              |
|-----------------------------------|------------------------------|
| <i>Minor Latin, B</i> , . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Solid Geometry</i> , . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## MONDAY, JUNE 3.

|                                    |                              |
|------------------------------------|------------------------------|
| <i>French</i> , . . . . .          | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>History</i> , . . . . .         | $2\frac{1}{2}-4$             |
| <i>Greek Prose Authors</i> , . . . | $4\frac{1}{4}-5\frac{1}{4}$  |

## TUESDAY, JUNE 4.

|                                    |                             |
|------------------------------------|-----------------------------|
| <i>Geometry</i> , . . . . .        | $9\frac{1}{2}-12$           |
| <i>Latin Composition</i> , . . . . | $2\frac{1}{2}-4$            |
| <i>Science</i> , . . . . .         | $4\frac{1}{4}-5\frac{3}{4}$ |

## WEDNESDAY, JUNE 5.

|                                    |                              |
|------------------------------------|------------------------------|
| <i>German</i> , . . . . .          | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Latin Prose Authors</i> , . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## WINTER, 1919.

## THURSDAY, JANUARY 16.

|                                      |                              |
|--------------------------------------|------------------------------|
| <i>English Composition</i> , . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>English Grammar, etc.</i> , . . . | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Poets</i> , . . . . .       | $4\frac{3}{4}-5\frac{3}{4}$  |

## FRIDAY, JANUARY 17.

|  |                             |
|--|-----------------------------|
| <i>Algebra</i> , . . . . .                             | $9\frac{1}{2}-12$           |
| <i>Latin Poets</i> , . . . . .                         | $2\frac{1}{2}-4$            |
| <i>Greek Grammar and Com-<br/>position</i> , . . . . . | $4\frac{1}{4}-5\frac{1}{4}$ |

## SATURDAY, JANUARY 18.

|                                    |                              |
|------------------------------------|------------------------------|
| <i>French</i> , . . . . .          | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>History</i> , . . . . .         | $2\frac{1}{2}-4$             |
| <i>Greek Prose Authors</i> , . . . | $4\frac{1}{4}-5\frac{1}{4}$  |

## MONDAY, JANUARY 20.

|                                    |                             |
|------------------------------------|-----------------------------|
| <i>Geometry</i> , . . . . .        | $9\frac{1}{2}-12$           |
| <i>Latin Composition</i> , . . . . | $2\frac{1}{2}-4$            |
| <i>Science</i> , . . . . .         | $4\frac{1}{4}-5\frac{3}{4}$ |

## TUESDAY, JANUARY 21.

|                                    |                              |
|------------------------------------|------------------------------|
| <i>German</i> , . . . . .          | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Latin Prose Authors</i> , . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## MONDAY, FEBRUARY 3.

|                                   |                              |
|-----------------------------------|------------------------------|
| <i>Minor Latin, A</i> , . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Trigonometry</i> , . . . . .   | $2\frac{1}{2}-4\frac{1}{2}$  |

## TUESDAY, FEBRUARY 4.

|                                   |                              |
|-----------------------------------|------------------------------|
| <i>Minor Latin, B</i> , . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Solid Geometry</i> , . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## CORPORATION.

JAMES WOOD,

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ASA S. WING,

*Treasurer.*

ANNA RHOADS LADD,

*Secretary.*

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THOMAS RAEBURN WHITE.

FREDERIC H. STRAWBRIDGE.

ABRAM F. HUSTON.

ANNA RHOADS LADD.

ARTHUR HENRY THOMAS.

WILLIAM C. DENNIS.

## BOARD OF DIRECTORS.

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ARTHUR HENRY THOMAS.

WILLIAM C. DENNIS.

ELIZABETH NIELDS BANCROFT.

## OFFICERS OF ADMINISTRATION.

ACADEMIC YEAR, 1915-16.

*President,*

M. CAREY THOMAS, PH.D., LL.D.

Office: Taylor Hall.

*Dean of the College,*

MARION REILLY, A.B.

Office: Taylor Hall.

*Recording Dean and Assistant to the President,*

ISABEL MADDISON, B.Sc., PH.D.

Office: Taylor Hall.

*Secretary of the College,*

EDITH ORLADY, A.B. Office: Taylor Hall.

*Recording Secretary,*

ABIGAIL CAMP DIMON, A.M. Office: Taylor Hall.

*Wardens of the Halls of Residence,*

MARTHA GIBBONS THOMAS, A.B., Pembroke Hall.

MARGARET BONTECOU, A.B., Denbigh Hall.

MARY FRANCES NEARING, A.B., Rockefeller Hall.

BERTHA SOPHIE EHLERS, A.B., Radnor Hall.

LEONORA LUCAS, A.B., Merion Hall.

SARAH NEWTON HALLETT, \* A.B., Assistant to the Warden  
of Pembroke Hall.*Comptroller,*

SANDY L. HURST. Office: Taylor Hall.

*Business Manager,*

LOUISE WATSON, A.B. Office: Taylor Hall.

*Assistant Business Manager,*

CLARA REGINA STAHL, A.B. Office: Taylor Hall.

*Junior Bursar,†*

ALICE LITTLE, A.B. Office: Rockefeller Hall.

*Librarian,*

LOIS ANTOINETTE REED, A.B., B.L.S. Office: The Library.

*Director of Athletics and Gymnastics and Supervisor of Health Department,*

CONSTANCE M. K. APPLEBEE. Office: The Gymnasium.

*Physician in Chief,*THOMAS F. BRANSON, M.D. Office hours, 8.30 to 9.30 and 2 to 3 daily,  
Rosemont, Pa.*Assistant Physician,*FRANCES R. SPRAGUE, M.D. Pembroke Road, Bryn Mawr; Office hours,  
The Infirmary, Bryn Mawr College, 4 to 5.30 daily except Sunday.*Examining Oculist,*HELEN MURPHY, M.D. Office hours, 2 to 4 daily, 1433 Spruce Street,  
Philadelphia.

\* Left January 5th, 1916.

† This position was held until December 31st, 1915, by Josephine Lemmon, A.B.



## ACADEMIC APPOINTMENTS.

### ACADEMIC YEAR, 1915-16.

M. CAREY THOMAS, PH.D., LL.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zürich, 1882. Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

CHARLOTTE ANGAS SCOTT, D.Sc., *Alumna Professor of Mathematics.*

Lincoln, England. Graduate in Honours, Girton College, University of Cambridge, England, 1880; B.Sc., University of London, 1882; Lecturer on Mathematics in Girton College, 1880-84; lectured in connection with Newnham College, University of Cambridge, England, 1880-83; D.Sc., University of London, 1885.

GEORGE A. BARTON, PH.D., LL.D., *Professor of Biblical Literature and Semitic Languages.*

A.B., Haverford College, 1882, and A.M., 1885; studied under the direction of the American Institute of Hebrew, 1885-86; Harvard University, 1888-91; Thayer Scholar, Harvard University, 1889-91; A.M., Harvard University, 1890; Ph.D., Harvard University, 1891. Director of the American School of Oriental Study and Research in Palestine, 1902-03; LL.D., Haverford College, 1914.

FLORENCE BASCOM, \* PH.D., *Professor of Geology.*

A.B., University of Wisconsin, 1882, B.Sc., 1884, and A.M., 1887. Johns Hopkins University, 1891-93; Ph.D., Johns Hopkins University, 1893. Assistant in Geology and Instructor in Petrography, Ohio State University, 1893-95.

ISABEL MADDISON, B.Sc., PH.D., *Recording Dean and Assistant to the President.*

Reading, England. B.Sc., University of London, 1893; Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889-92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship and Student in Mathematics, University of Göttingen, 1894-95.

WILMER CAVE WRIGHT, PH.D., *Associate Professor of Greek.*

Shrewsbury, England. Girton College, University of Cambridge, England, 1888-92; Graduate in Honours, Cambridge Classical Tripos, 1892; Ph.D., University of Chicago, 1895. Fellow in Greek, Bryn Mawr College, 1892-93; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96.

JAMES H. LEUBA, PH.D., *Professor of Psychology and Education.*

Neuchâtel, Switzerland. B.S., University of Neuchâtel, 1886; Ph.D., Ursinus College, 1888; Scholar in Psychology, Clark University, 1892-93; Fellow in Psychology, Clark University, 1893-95; Ph.D., Clark University, 1896.

FONGER DEHAAN, PH.D., *Professor of Spanish.*

Leeuwarden, Holland. Ph.D., Johns Hopkins University, 1895; Instructor in Modern Languages, Lehigh University, 1885-91; Fellow in Romance Languages, Johns Hopkins University, 1893-94, Assistant in Romance Languages, 1893-95, Instructor in Romance Languages, 1895-96, and Associate in Romance Languages, 1896-97.

ARTHUR LESLIE WHEELER, PH.D., *Professor of Latin.*

A.B., Yale University, 1893; Scholar and Student in Classics, Yale College, 1893-96; Ph.D., Yale University, 1896. Instructor and Tutor in Latin, Yale College, 1894-1900.

HENRY NEVILL SANDERS, PH.D., *Professor of Greek.*

Edinburgh, Scotland. A.B., Trinity University, Toronto, 1894, and A.M., 1897; Ph.D., Johns Hopkins University, 1903. Fellow in Greek, Johns Hopkins University, 1897-98; Lecturer in Greek, McGill University, 1900-02.

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\* Granted leave of absence for the year 1915-16.

WILLIAM BASHFORD HUFF, PH.D., *Professor of Physics.*

A.B., University of Wisconsin, 1889; A.M., University of Chicago, 1896; Ph.D., Johns Hopkins University, 1900. Lecture Assistant in Physics, Johns Hopkins University, 1899-1900, Assistant in Physics, 1900-01, and Instructor in Physics, 1901-02.

WILLIAM ROY SMITH, PH.D., *Professor of History.*

A.B., University of Texas, 1897, and A.M., 1898; Ph.D., Columbia University, 1903. Acting Professor of History and Political Science, University of Colorado, 1900-01; Lecturer in History, Barnard College, 1901-02.

LUCY MARTIN DONNELLY, \* A.B., *Professor of English.*

A.B., Bryn Mawr College, 1893; University of Oxford, England, and University of Leipsic, 1893-94; Sorbonne and Collège de France, and University of Leipsic, 1894-95.

KARL DETLEV JESSEN, \* PH.D., *Professor of German Literature.*

Winnemark, Schleswig-Holstein, Germany. A.B., University of Chicago, 1896, and Fellow in German, 1897-98; Ph.D., University of Berlin, 1901. University of Chicago, 1895-98; University of Kiel, 1899; University of Berlin, 1898-1901; Acting Professor of Modern Languages, Eureka College, 1896; Instructor in German, Iowa State University, 1897; Instructor in German, Harvard University, 1901-03, and Lecturer on German Literature and Aesthetics, 1904.

TENNEY FRANK, † PH.D., *Professor of Latin.*

A.B., University of Kansas, 1898, and A.M., 1899; Ph.D., University of Chicago, 1903. Fellow, University of Chicago, 1899-1901; Assistant and Associate in Latin, University of Chicago, 1901-04.

DAVID HILT TENNENT, PH.D., *Professor of Biology.*

S.B., Olivet College, 1900; Ph.D., Johns Hopkins University, 1904. Fellow, Johns Hopkins University, 1902-04; Bruce Fellow, Johns Hopkins University, 1904.

CARLETON FAIRCHILD BROWN, PH.D., *Professor of English Philology.*

A.B., Carleton College, 1888; A.M., Harvard University, 1901, and Ph.D., 1903. Shattuck Scholar, Harvard University, 1901-03; Instructor in English, Harvard University, 1903-05.

JAMES BARNES, PH.D., *Associate Professor of Physics.*

Halifax, Nova Scotia. B.A., Dalhousie University, Honours in Mathematics and Physics, 1899, and M.A., 1900; Ph.D., Johns Hopkins University, 1904. Holder of 1851 Exhibition Science Research Scholarship, 1900-03; Fellow, Johns Hopkins University, 1903-04, and Assistant in Physics, 1904-06; Resident Fellow, University of Manchester, 1915.

RICHARD THAYER HOLBROOK, PH.D., *Associate Professor of Italian.*

A.B., Yale University, 1893; Ph.D., Columbia University, 1902. Sorbonne, Collège de France, Ecole des Chartes, 1893-94, 1895-96; Student in Italy and University of Berlin, 1894-95; Student in Spain, 1901; Tutor in the Romance Languages and Literatures, Yale University, 1896-1901, and Columbia University, 1902-06.

THEODORE DE LEO DE LAGUNA, PH.D., *Professor of Philosophy.*

A.B., University of California, 1896, and A.M., 1899; Ph.D., Cornell University, 1901. Teacher in the Government Schools of the Philippine Islands, 1901-04; Honorary Fellow and Assistant in Philosophy, Cornell University, 1904-05; Assistant Professor of the Philosophy of Education, University of Michigan, 1905-07.

MARION REILLY, A.B., *Dean of the College and Reader in Philosophy.*

A.B., Bryn Mawr College, 1901. Graduate Student, Bryn Mawr College, 1901-02, 1903, 1903-06; Newnham College, University of Cambridge, Spring, 1907; Universities of Rome and Siena, 1911-12.

MARION PARRIS SMITH, PH.D., *Associate Professor and Professor (elect) of Economics.*

A.B., Bryn Mawr College, 1901, and Ph.D., 1908. Graduate Student, Bryn Mawr College, 1902-05, Fellow in Economics and Politics, 1905-06; Bryn Mawr College Research Fellow and Student in Economics and Politics, University of Vienna, 1906-07.

CLARENCE ERROL FERREE, PH.D., *Associate Professor of Experimental Psychology and Director of the Psychological Laboratory.*

B.S., Ohio Wesleyan University, 1900, A.M., 1901, and M.S., 1902; Ph.D., Cornell University, 1909. Fellow in Psychology, Cornell University, 1902-03; Assistant in Psychology, Cornell University, 1903-07.

\* Granted leave of absence for the year 1915-16.

† Granted leave of absence for the year 1916-17.

AGATHE LASCH, PH.D., *Associate Professor of Teutonic Philology.*

Berlin, Germany. Ph.D., University of Heidelberg, 1909. Student, University of Halle, 1906-07; University of Heidelberg, 1907-10. State Examinations *pro facultate docendi*, Karlsruhe, 1910.

GRACE MEAD ANDRUS DE LAGUNA, PH.D., *Associate Professor of Philosophy.*

A.B., Cornell University, 1903, and Ph.D., 1906. Sage Scholar in Philosophy, Cornell University, 1903-05; Alice Freeman Palmer Fellow of Wellesley College, 1905-06; Reader in Philosophy, Bryn Mawr College, 1907-08.

REGINA KATHARINE CRANDALL, PH.D., *Director of English Essay Work and Reader in English, Associate (elect) in English.*

A.B., Smith College, 1890; Ph.D., University of Chicago, 1902. Graduate Student, University of Chicago, 1893-94, and Fellow in History, 1894-96; Assistant in History, Smith College, 1896-99; Instructor in History, Wellesley College, 1899-1900.

EDITH ORLADY, A.B., *Secretary of the College.*

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, Bryn Mawr College, 1903-06, 1907-08. Recording Secretary, 1910-12.

KATE GORDON, PH.D., *Associate Professor of Education.*

Ph.B., University of Chicago, 1900, and Ph.D., 1903. Scholar in Pedagogy, University of Chicago, 1900-01, and Fellow in Philosophy, 1901-03; European Fellow of the Association of Collegiate Alumnae, 1903-04; Instructor in Ethics and Psychology, Mt. Holyoke College, 1904-05, and in Teachers' College, Columbia University, 1906-07. Substitute Professor of Philosophy, Mt. Holyoke College, Second Semester, 1911-12.

JAMES FULTON FERGUSON, PH.D., *Associate Professor of Ancient History and Latin.*

A.B., Monmouth College, 1903; A.B., Yale University, 1906, A.M., 1907, and Ph.D., 1912. Fellow, Yale University, 1906-09; Instructor in Williams College, 1909-10; Instructor in Greek and Latin, Yale College, 1910-12.

THOMAS CLACHAR BROWN, PH.D., *Associate in Geology.*

A.B., Amherst College, 1904; A.M., Columbia University, 1905, and Ph.D., 1909. Assistant in Palaeontology, Columbia University, 1905-07; Geologist to the Board of Water Supply of New York City, 1907-09; Assistant Professor of Geology, Middlebury College, 1909-11; Non-resident Lecturer in Geology, Norwich University, 1909; Assistant Professor of Geology, Pennsylvania State College, 1911-12.

ROGER FREDERIC BRUNEL, PH.D., *Associate Professor of Chemistry.*

A.B., Colby University, 1903; Ph.D., Johns Hopkins University, 1906. Lecture Assistant in Chemistry, Johns Hopkins University, 1906-07; Instructor in Chemistry, Syracuse University, 1907-10, and Assistant Professor of Chemistry, 1910-12.

MATILDE CASTRO, PH.D., *Phebe Anna Thorne Associate Professor of Education and Director of the Phebe Anna Thorne Model School.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the Morris High School, Chicago, 1901-03; Instructor in Philosophy, Mt. Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12.

ARTHUR RUSSELL MOORE, PH.D., *Associate Professor of Physiology.*

A.B., University of Nebraska, 1904; Ph.D., University of California, 1911. Assistant in Physiology, University of California, 1909-11, and Assistant Professor of Physiology, 1911-13.

GERTRUDE RAND, PH.D., *Associate in Experimental and Educational Psychology.*

A.B., Cornell University, 1908; Ph.D., Bryn Mawr College, 1911. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, 1911-12, Fellow in Philosophy, 1909-10. Fellow in Psychology, 1910-11, and Sarah Berliner Research Fellow, 1912-13.

EUNICE MORGAN SCHENCK, PH.D., *Associate in French, Dean of the College (elect) and Associate Professor (elect) of Modern French Literature.*

A.B., Bryn Mawr College, 1907, and Ph.D., 1913. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1909-10, and Fellow in Romance Languages, 1912-13. President's European Fellow and Student, the Sorbonne, Collège de France, University of Grenoble, and in Madrid, 1910-12.



SAMUEL CLAGGETT CHEW, JR., PH.D., *Associate and Associate Professor (elect) in English Literature.*

A.B., Johns Hopkins University, 1909, and Ph.D., 1913. Fellow, Johns Hopkins University, 1910-12; English Master, Hotchkiss School, Lakeville, Conn., 1913-14.

JEAN BAPTISTE BECK, PH.D., *Associate Professor of Mediæval French Literature.*

Guebwiller, Alsace. Baccalaureate in Rhetoric, Sorbonne, 1900; Baccalaureate in Philosophy, Sorbonne, 1901; Ph.D., University of Strassburg, 1907; State Examination *pro facultate docendi*, 1908. Professor of Latin and German in the Ecole Alsacienne, Paris, 1909; Director of Advanced Courses for Teachers in Gymnasias, University of Vienna, 1910; Professor of French Literature, Wiener Handels-Akademie, 1910; Assistant Professor of Romance Languages, University of Illinois, 1911-14; Instructor in Romance Languages and Literatures, University of Chicago, Summer Quarter, 1912.

SUSAN MYRA KINGSBURY, PH.D., *Carola Woerishoffer Professor of Social Economy and Director of the Carola Woerishoffer Department of Social Research.*

A.B., College of the Pacific, 1890; A.M., Leland Stanford Jr. University, 1899; Ph.D., Columbia University, 1905. University Fellow, Columbia University, 1902-03; Holder of the European Fellowship of the Women's Education Association, Boston, Mass., 1903-04; Instructor in History, Vassar College, 1904-05; Director of Investigation, Massachusetts Commission on Industrial and Technical Education, 1905-06; Instructor in History and Economics and Head of Departments, Simmons College, 1906-07; Assistant, Associate and Professor in Economics, Simmons College, and Director of the Department of Research, Women's Educational and Industrial Union, Boston, 1907-15.

ALBERT EDWIN AVEY, PH.D., *Associate in Philosophy.*

A.B., Yale University, 1908, A.M., 1909, and Ph.D., 1915. Graduate Student, Yale University, 1908-09, 1913-15; University of Berlin, 1912-13; Assistant in Psychological Laboratory, Yale University, 1913-14, and Lecturer in Elementary Logic, Yale University, Spring Term, 1913-14.

GEORGIANA GODDARD KING, A.M., *Associate Professor of the History of Art.*

A.B., Bryn Mawr College, 1896, and A.M., 1897. Fellow in Philosophy, Bryn Mawr College, 1896-97, and Fellow in English, 1897-98; Collège de France, First Semester, 1898-99.

RHYS CARPENTER, PH.D., *Associate Professor of Classical Archeology.*

A.B., Columbia University, 1909 and Ph.D., 1916; B.A., University of Oxford, 1911, and M.A., 1914. Rhodes Scholar and Student, Balliol College, University of Oxford, 1908-11; Drisler Fellow in Classics, Columbia University, 1911-13; Student, American School of Classical Studies in Athens, 1912-13.

CHARLES GHEQUIERE FENWICK, PH.D., *Associate Professor of Political Science.*

A.B., Loyola College, 1907; Ph.D., Johns Hopkins University, 1912. Student of Political Science, Johns Hopkins University, 1909-11; Law Clerk, Division of International Law in the Carnegie Endowment for International Peace, 1911-14; University of Freiburg, Summer, 1913; Lecturer on International Law, Washington College of Law, 1912-14.

JAMES MILLER LEAKE, PH.D., *Associate in History.*

A.B., Randolph-Macon College, 1902; Ph.D., Johns Hopkins University, 1914. Instructor in French and English, Randolph-Macon College, 1901-03; Principal of Ashland High School, Ashland, Va., 1909-11; Johns Hopkins University, 1911-14; University Fellow, Johns Hopkins University, 1913-14.

HOWARD LEVI GRAY, PH.D., *Professor of History.*

A.B., University of Rochester, 1897; A.B., Harvard University, 1898, A.M., 1900, and Ph.D., 1907. Instructor in History, Harvard University, 1909-13, and Assistant Professor of History, 1914-15.

JAMES LLEWELLYN CRENSHAW, PH.D., *Associate in Physical Chemistry.*

A.B., Centre College, 1907, and A.M., 1908; Ph.D., Princeton University, 1911. Assistant Chemist in the Geo-Physical Laboratory of the Carnegie Institution, Washington, D. C., 1910-15.

HOWARD JAMES SAVAGE,\* PH.D., *Lecturer in English Literature and Rhetoric and Associate Professor (elect) of Rhetoric and Director (elect) of the Work in English Composition.*

A.B., Tufts College, 1907; A.M., Harvard University, 1909, and Ph.D., 1915. Instructor in English, Tufts College, 1908-11; Instructor in English, Harvard University, 1911-13 and at Radcliffe College, 1911-15; Graduate Student, Harvard University, 1908-09; 1913-15; Instructor in the Harvard Summer School, 1912, 1913, 1914, 1915.

\* Appointed as substitute for Professor Lucy Martin Donnelly in 1915-16.



OLIVE C. HAZLETT, Ph.D., *Associate (elect) in Mathematics.*

A.B., Radcliffe College, 1912; S.M., University of Chicago, 1913; Ph.D., University of Chicago, 1915. Fellow in Mathematics, University of Chicago, 1913-15; Holder of the Fellowship of the Boston Branch of the Association of Collegiate Alumnae, 1914-15; Alice Freeman Palmer Fellow (elect) of the Association of Collegiate Alumnae, 1915-17. Alice Freeman Palmer Fellow of Wellesley College, 1915-16, and Fellow (elect) 1916-17.

SAMUEL ARTHUR KING, M.A., *Non-resident Lecturer in English Diction.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Elocution, Johns Hopkins University, 1901; Special Lecturer in Elocution, University of California, 1902.

PIERRE FRANÇOIS GIROUD, D.L., *Licencié-ès-Lettres, Non-resident Lecturer in French.*

Lyons, France. *Bachelier-ès-lettres*, University of France, 1874, and *Licencié-ès-lettres*, 1881; D.L., Temple University, 1914; Officier d'Académie, 1904; Officier de l'Instruction publique, 1905. Ecole des Hautes-Etudes, Chartreux, Lyons; Sorbonne, College de France, 1881-85; Director, Ecole Ste. Marie, Chalons, 1886-88; Teacher of French in the Delancey School, 1889-96, and in the Agnes Irwin School, Philadelphia, 1889-1915; in Girard College, Philadelphia, 1896-1912; Special Lecturer on French Literature, Johns Hopkins University, 1907-11; University of Pennsylvania, 1912-15; Cornell University (Summer School), 1913-14.

BENJAMIN FRANKLIN WALLIS, \* Ph.D., *Lecturer in Geology.*

A.B., Johns Hopkins University, 1910, and Ph.D., 1915. Instructor in Science in the High School, Clifton, N. J., 1912-13; Instructor in Mineralogy and Petrology, Northwestern University, 1913-14; Hopkins Scholar, Johns Hopkins University, 1911-12, 1914-15.

CHARLES CLINTON BRAMBLE, A.M., *Lecturer in Mathematics.*

Ph.B., Dickinson College, 1912, and A.M., 1913. Assistant in Physics, Dickinson College, 1911-12; Instructor in Montclair Academy, 1912-13; Hopkins Scholar, Johns Hopkins University, 1913-15.

OSCAR F. W. FERNSEMER, † Ph.D., *Lecturer in German Literature.*

Munich, Germany. Ph.D., University of Munich, 1912. Head of Modern Language Department in the High School, Cranford, N. J., 1913-15.

THOMAS DE COURSEY RUTH, ‡ A.B., *Lecturer (elect) in Latin.*

A.B., Johns Hopkins University, 1906. Hopkins Scholar, Johns Hopkins University, 1907-09, Fellow in Latin, 1910-11, Fellow by Courtesy in Latin, 1911-12, 1915-16; Master in Latin, Gilman County School, Baltimore, 1909-10; Instructor in Latin, Johns Hopkins University, Summer School, 1912; Instructor in Classics, Princeton University, 1912-15.

ABBY KIRK, A.B., *Reader in Elementary Greek.*

A.B., Bryn Mawr College, 1892. Reader in English, Bryn Mawr College, 1892-98. Associate Principal and Teacher of English and Classics in the Misses Kirk's School, Bryn Mawr, 1899-1916.

MARY JEFFERS, § A.M., *Reader in German and Oral Examiner in French and German.*

A.B., Bryn Mawr College, 1895, and A.M., 1897. Graduate Student, Bryn Mawr College, 1895-98, 1903-04, 1906-07; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, 1895-98; Student at the Universities of Munich and Halle, 1898-99; Teacher of Latin and History in the Girls' Latin School, Baltimore, Md., 1900-01; Head of the Latin Department in the Misses Shipley's School, Bryn Mawr, 1899-1907; Student, University of Bonn, Summer of 1905; Private Tutor, 1892-1914; Supervisor of College Preparatory Department, Brantwood Hall, Bronxville, Lawrence Park, N. Y., 1905-07; Lecturer on European Travel, Miss Wright's School, 1904-15, and Teacher of Latin, 1911-15; French and German oral examiner, 1909-15; Acting Professor of Education, H. S. Newcomb Memorial College, Tulane University, 1915-16.

EDNA ASTON SHEARER, Ph.D., *Reader in English.*

A.B., Bryn Mawr College, 1904, and Ph.D., 1914. Junior Fellow in Philosophy, Bryn Mawr College, 1904-05; Holder of the President's Fellowship and Student, Universities of Edinburgh and Aberdeen, 1905-06; Fellow in Philosophy, Bryn Mawr College, 1906-07; Teacher of English in the Baldwin School, Bryn Mawr, Pa., 1907-09, and Graduate Student, Bryn Mawr College, 1907-08.

MARY HAMILTON SWINDLER, Ph.D., *Reader in Latin and Reader and Demonstrator in Classical Archaeology.*

A.B., University of Indiana, 1905, and A.M., 1906; Ph.D., Bryn Mawr College, 1912. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09;

\* Appointed as substitute for Professor Florence Bascom in 1915-16.

† Appointed as substitute for Professor Karl Detlev Jessen in 1915-16.

‡ Appointed as substitute for Professor Tenney Frank in 1916-17.

§ Granted leave of absence for the year 1915-16.

Mary E. Garrett European Fellow and Student, Universities of Berlin and Oxford and the American School of Classical Studies in Athens, 1909-10; Teacher in the Misses Shipley's School, Bryn Mawr, 1910-11, and in Miss Wright's School, Bryn Mawr, 1911-12.

IDA LANGDON, PH.D., *Reader in English.*

A.B., Bryn Mawr College, 1903; A.M., Cornell University, 1910, and Ph.D., 1912. Cornell University, 1909-12.

ESTHER CLOUDMAN DUNN, A.B., *Reader in English.*

A.B., Cornell University, 1913.

ELLEN THAYER, A.B., *Reader in French.*

A.B., Bryn Mawr College, 1907. The Sorbonne, Paris, 1909-11. Teacher of French in Wolfe Hall, Denver, Colo., 1911-12.

CLARA WHITNEY CRANE, A.B., *Reader in English.*

A.B., Radcliffe College, 1914.

EDITH CHAPIN CRAVEN, A.B., *Reader in English.*

A.B., Bryn Mawr College, 1899. Graduate Student, Bryn Mawr College, 1899-1900.

ELLY WILHELMINA LAWATSCHKE, \* A.B., *Reader in German.*

Teplitz, Austria. A.B., University of Washington, 1913. Teacher of German, University of Washington, 1911-14; Teacher of German in the Walnut Hill School and Graduate Student, Wellesley College, 1914-15.

ELLEN ELIZABETH HILL, B.L., *Reader in English.*

B.L., Smith College, 1891.

HELEN HUSS PARKHURST, A.M., *Reader and Demonstrator (elect) in the History of Art.*

A.B., Bryn Mawr College, 1911, and A.M., 1913. Teacher of English and History in the Dwight School, Englewood, N. J., 1911-12; Graduate Scholar in Philosophy, Bryn Mawr College and Tutor in English, 1912-13; President's European Fellow and Student, University of Cambridge and the Sorbonne, 1913-14; Fellow in Philosophy, Bryn Mawr College, 1914-15; Honorary Fellow in Philosophy, Johns Hopkins University, 1915-16.

ANGIE LILLIAN KELLOGG, A.M., *Reader (elect) in Social Economy and Social Research.*

A.B., Vassar College, 1903, and A.M., 1904. Resident Fellow, Vassar College, 1903-04; Teacher of English, Schenectady High School, N. Y., 1904-10; Law Student, 1910-11; Fellow in Philosophy, Bryn Mawr College, 1911-13, and Scholar and Fellow by Courtesy, 1913-14; Holder of Mary Richardson and Lydia Pratt Babbott Fellowship of Vassar College, 1913-14; Awarded A. C. A. European Fellowship for 1914-15; Probation Officer for Girls in Watertown, N. Y., Agent for S. P. C. C. Society of Jefferson Co., N. Y., and Superintendent of Bureau of Charities, Watertown, N. Y., summer of 1912; Officer at Bedford Reformatory, N. Y., summer of 1913; Jefferson County Agent for Dependent and Delinquent Children, 1914-16. Field Worker in Research Work conducted by New York School of Philanthropy, January to May, 1916.

MARY EDITH PINNEY, A.M., *Demonstrator in Biology.*

A.B., University of Kansas, 1908, and A.M., 1910. Teaching Fellow in Zoology, University of Kansas, 1909-10, and High School Instructor, Alma, Kan., 1908-09; Fellow in Biology, Bryn Mawr College, 1910-11; President's European Fellow and Student, Universities of Bonn and Heidelberg and Zoological Station, Naples, 1911-12; Instructor in Zoology, University of Kansas, 1912-13.

DOROTHY OCHTMAN, A.B., *Demonstrator in the History of Art.*

A.B., Smith College, 1914.

EDITH HAMILTON LANMAN, A.M., *Demonstrator in Chemistry.*

A.B., Radcliffe College, 1914; A.M., University of California, 1915. Graduate Student, University of California, 1914-15.

SUE AVIS BLAKE, A.M., *Demonstrator in Physics.*

A.B., Bryn Mawr College, 1898, and A.M., 1900. Demonstrator and Graduate Student in Physics, Bryn Mawr College, 1898-99, and 1904-06, and Fellow in Physics, 1906-07; Graduate Student, Bryn Mawr College, and Teacher of Mathematics and Science in the Misses Shipley's School, Bryn Mawr, 1899-1900; Assistant in Physics, Smith College, 1900-02, 1903-04; Fellow in Physics, University of Pennsylvania, 1907-08; Instructor in Physics, Smith College, 1910-15.

LUCIA HELEN SMITH, † A.B., *Demonstrator in Physics.*

A.B., Vassar College, 1915.

\* Appointed as substitute for Miss Mary Jeffers in 1915-16.

† Resigned February 1st, 1916.

LOIS ANTOINETTE REED, A.B., B.L.S., *Librarian.*

A.B., University of Illinois, 1909; B.L.S., New York State Library School, 1904. Librarian, The Western College, Oxford, Ohio, 1905-07; Cataloguer and Order Department Assistant, Library of the University of Illinois, 1907-10; Assistant Librarian, University of Rochester, 1910-13.

HELEN COREY GEDDES, A.B., B.S., *Head Cataloguer.*

A.B., Radcliffe College, 1905; B.S., Simmons College, 1910. Library Assistant, University of Illinois, 1910-12.

SARAH WOOSTER ENO, A.B., *Circulation and Reference Librarian.*

A.B., University of Illinois, 1908. Cataloguer, Library of the University of Pennsylvania, 1909-10; Librarian, Stetson University, 1910-12.

MARY LOUISE TERRIEN, A.B., *Assistant to the Circulation and Reference Librarian.*

A.B., Smith College, 1905. Simmons College Library School, Boston, Mass., 1914-15.

CONSTANCE M. K. APPLEBEE, *Director of Athletics and Gymnastics and Supervisor of Health Department.*

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, Summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mt. Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906.

CYNTHIA MARIA WESSON, A.M., *Assistant to the Director of Athletics and Gymnastics.*

A.B., Bryn Mawr College, 1909, and A.M., 1914. Graduate of the Sargent School for Physical Education, Boston, Mass., 1913. Graduate Scholar in Biology, Bryn Mawr College, 1913-14.

## ADMINISTRATIVE AND EXECUTIVE APPOINTMENTS.

M. CAREY THOMAS, PH.D., LL.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipzig, 1879-82; Ph.D., University of Zürich, 1882. Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

MARION REILLY, A.B., *Dean of the College and Reader in Philosophy.*

A.B., Bryn Mawr College, 1901. Graduate Student, Bryn Mawr College, 1901-02, 1903, 1903-06; Newnham College, University of Cambridge, Spring 1907; Universities of Rome and Siena, 1911-12.

ISABEL MADDISON, B.Sc., PH.D., *Recording Dean and Assistant to the President.*

Reading, England. B.Sc., University of London, 1893; Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889-92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship and Student in Mathematics, University of Göttingen, 1894-95.

EDITH ORLADY, A.B., *Secretary of the College.*

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, Bryn Mawr College, 1903-06, 1907-09. Recording Secretary, 1910-12.

ABIGAIL CAMP DIMON, A.M., *Recording Secretary.*

A.B., Bryn Mawr College, 1896, and A.M., 1899. Vice-Principal of the High School, Clinton, N. Y., 1896-97; Assistant Teacher of English in the Utica Academy, 1897-98; Graduate Student, Bryn Mawr College, 1898-99; Tutor, 1900-01; Graduate Student and Warden of Radnor Hall, Bryn Mawr College, 1901-04; Teacher of Science in the Balliol School, Utica, 1904-05, and of Science and Mathematics, 1905-08; Teacher in the New School, Utica, 1908-09; Demonstrator in Biology, Bryn Mawr College, 1911, and Reader in Biology, 1911-12.



SANDY LEE HURST, *Comptroller.*

LOUISE WATSON, A.B., *Business Manager.*

A.B., Bryn Mawr College, 1912. Teacher in Marshall College, Huntington, W. Va., 1913-14.

CLARA REGINA STAHL, A.B., *Assistant Business Manager.*

A.B., University of Michigan, 1915. Welfare Worker, 1909; Registrar, Greensboro College, 1910-12, and Bursar, 1913.

JOHN J. FOLEY, *Superintendent of Mechanical Equipment.*

GEORGE C. CHANDLER, *Superintendent of Buildings and Grounds.*

## HALLS OF RESIDENCE.

MARTHA GIBBONS THOMAS, A.B., *Warden of Pembroke Hall.*

A.B., Bryn Mawr College, 1889.

MARGARET BONTECOU, A.B., *Warden of Denbigh Hall,*

A.B., Bryn Mawr College, 1909. Bryn Mawr European Fellow, 1909-10; Student, Universities of Munich and Oxford, 1910-11; Settlement Worker, Orange Social Settlement, 1912-13; Private Tutor and Secretary, 1913-14.

MARY FRANCES NEARING, A.B., *Warden of Rockefeller Hall.*

A.B., Bryn Mawr College, 1909. Teacher of English in St. Margaret's School, Waterbury, Conn., 1910-11; Secretary and Athletic Director, Miss Walker's School, Lakewood, N. J., 1911-13; Social Service Worker, Philadelphia, 1913-14.

BERTHA SOPHIE EHLERS, A.B., *Warden of Radnor Hall.*

A.B., Bryn Mawr College, 1909. Teacher of German in the Agnes Irwin School, Philadelphia, 1910-14; Reader in Elementary German, Bryn Mawr College, 1912-13.

LEONORA LUCAS, A.B., *Warden of Merion Hall.*

A.B., Bryn Mawr College, 1912. Graduate Student, Northwestern University, 1912-13; Professor of Romance Languages, Brenau College, Gainesville, Ga., 1913-15.

SARAH NEWTON HALLETT,\* A.B., *Assistant to the Warden of Pembroke Hall.*

A.B., Brown University, 1901. Graduate Student, Brown University, 1905-06, 1909-10; Graduate Scholar in History, Bryn Mawr College, 1914-15.

ALICE LITTLE, A.B., *Junior Bursar.*

A.B., Western College, 1889.

## HEALTH DEPARTMENT APPOINTMENTS.

In cooperation with the President of the College, the Dean of the College and the Supervisor of the Health Department.

THOMAS F. BRANSON, M.D., *Physician in Chief.*

A.B., Haverford College, 1889; M.D., University of Pennsylvania, 1892. Attending Physician, Bryn Mawr Hospital.

FRANCES R. SPRAGUE, B.L., M.D., *Assistant Physician of the College.*

B.L., University of California, 1886; M.D., Woman's Medical College of Pennsylvania, 1891. Visiting Physician and Surgeon, Children's Department, Children's Hospital of San Francisco, 1898-1910; Visiting Surgeon, Woman's Hospital of Pennsylvania, and Consulting Surgeon, West Philadelphia Hospital for Women; Practicing Physician, Bryn Mawr, Pa., 1910-16.

HELEN MURPHY, M.D., *Examining Oculist.*

M.D., Woman's Medical College of Pennsylvania, 1893; Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97.

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\* Resigned January 5th, 1916.



The following physicians have consented to serve as consultants:

- THOMAS McCRAE, M.D., F.R.C.P., 1627 Spruce Street, Philadelphia,  
*Consulting Physician.*
- GEORGE DE SCHWEINITZ, M.D., 1705 Walnut Street, Philadelphia, *Consultant Oculist.*
- ROBERT G. LE CONTE, M.D., 1625 Spruce Street, Philadelphia, *Consultant Surgeon.*
- FRANCIS R. PACKARD, M.D., 302 S. Nineteenth Street, Philadelphia,  
*Consultant Aurist and Laryngologist.*
- JAMES K. YOUNG, M.D., 222 S. Sixteenth Street, Philadelphia, *Consultant Orthopædist.*
- G. C. DAVIS, M.D., 1814 Spruce Street, Philadelphia, *Consultant Orthopædist.*

#### ADMINISTRATIVE AND EXECUTIVE MANAGERS AND ASSISTANTS.

- BESSIE HOMER JENNINGS, *Assistant Cataloguer.*  
Graduate, Drexel Institute Library School, 1900.
- MERTIE WATSON, *Assistant to the Librarian.*
- FRIEDA SEGELKE MILLER, A.B., *Statistical Secretary to the Director of the Carola Woerishoffer Department of Social Research.*  
A.B., Milwaukee-Downer College, 1911. Graduate Student, University of Chicago, 1911-15.
- ELLEN ELISABETH HILL, B.L., *Secretary to the President.*  
B.L., Smith College, 1891.
- MARY WARREN TAYLOR, *Secretary to the Department of Athletics and Gymnastics and Recording Secretary to the Health Department.*
- GENEVIEVE ESTELLE POTTER, *Bookkeeper and Assistant to the Comptroller.*
- MABEL GRAY THOMAS, *Stenographer and Assistant Bookkeeper in the Comptroller's Office.*
- HELEN MAGEE, A.B., *Stenographer to the President.*  
A.B., University of Michigan, 1914. Graduate Student, Bryn Mawr College, 1915.
- SARAH EVELYN MARTIN, A.B., *Stenographer to the Dean of the College.*  
A.B., University of Chicago, 1914. Secretary and Registrar, Shorter and Brenau College, 1909-11; Secretary and Registrar, Randolph-Macon Woman's College, 1911-13; Student, University of Chicago, 1913-14, and Graduate Student, 1915.
- ELLEN BEULAH LEWIS, A.B., *Stenographer to the Secretary of the College.*  
A.B., Swarthmore College, 1906; Assistant to the Editor at the Commercial Museum, Philadelphia, 1906-13.
- EDITH SHERWOOD, *Stenographer in the Business Manager's Office.*  
Drexel Institute Secretarial School, 1911-12.
- NANCY C. CRIST, *Stenographer in the Business Manager's Office*
- BERTHA SHORTLAND, *Telephone Clerk.*

## DEPARTMENT OF EDUCATION.

## PHEBE ANNA THORNE MODEL SCHOOL.

MATILDE CASTRO, PH.D., *Director and Teacher of English and History.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the Morris High School, Chicago, 1901-03; Instructor in Philosophy, Mt. Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12. Phebe Anna Thorne Associate Professor of Education, Bryn Mawr College.

KATE GORDON, PH.D., *Psychologist to the Phebe Anna Thorne Model School.*

Ph.B., University of Chicago, 1900, and Ph.D., 1903. Scholar in Pedagogy, University of Chicago, 1900-01, and Fellow in Philosophy, 1901-03; European Fellow of the Association of Collegiate Alumnae, 1903-04; Instructor in Ethics and Psychology, Mt. Holyoke College, 1904-05, and in Teachers' College, Columbia University, 1906-07; Substitute Professor of Philosophy, Mt. Holyoke College, Second Semester, 1911-12; Phebe Anna Thorne Associate Professor of Education, Bryn Mawr College.

SAMUEL ARTHUR KING, M.A., *Teacher of Reading.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Elocution, Johns Hopkins University, 1901; Special Lecturer in Elocution, University of California, 1902. Non-Resident Lecturer in English Diction, Bryn Mawr College.

EUNICE MORGAN SCHENCK, PH.D., *Teacher of French.*

A.B., Bryn Mawr College, 1907, and Ph.D., 1913. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1909-10, and Fellow in Romance Languages, 1912-13; President's European Fellow and Student, the Sorbonne, Collège de France, University of Grenoble, and Madrid, 1910-12. Associate in French, Bryn Mawr College.

PLACIDO DE MONTOLIU, *Teacher of Jaques-Dalcroze Eurythmics (Singing, Dancing).*

Graduate of the Jaques-Dalcroze College of Rhythmic Training, Hellerau, Germany.

CONSTANCE M. K. APPLEBEE, *Teacher of Gymnastics and Sports and Games.* Director of Gymnastics and Athletics, Bryn Mawr College.

MARY HAMILTON SWINDLER, PH.D., *Teacher of Latin.*

A.B., University of Indiana, 1905, and A.M., 1906; Ph.D., Bryn Mawr College, 1912. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Mary E. Garrett European Fellow and Student, Universities of Berlin and Oxford and the American School of Classical Studies in Athens, 1909-10; Teacher in the Misses Shipley's School, Bryn Mawr, 1910-11, and in Miss Wright's School, Bryn Mawr, 1911-12. Reader in Latin, Bryn Mawr College.

ANNA WHITMAN CLARK, A.B., *Teacher of Elementary Science and Arithmetic.*

A.B., Vassar College, 1898. Private Assistant to Professor Brookover in Biological Laboratory, Colorado College, 1899-1900; Teacher of Science and Mathematics in Miss Butt's School, Norwich, Conn., 1906-11, and in Miss Walker's School, Lakewood, N. J., 1911-14; Summer Session, Teacher's College, Columbia University, 1914.

VIRGINIA WRIGHT GARBER, *Teacher of Drawing and Modelling.*

Student, the Pennsylvania Museum and School of Industrial Art, the Philadelphia Academy of Fine Arts, and Pupil of Jules Lefebvre, Benjamin Constant, Professor Charles Roth, William M. Chase, Childe Hassam, and Howard Pyle. Head of the White Gate Studios, Bryn Mawr, Pa., 1911-15.

GERTRUDE RAND, PH.D., *Psychologist to the Phebe Anna Thorne Model School.*

A.B., Cornell University, 1903; Ph.D., Bryn Mawr College, 1911. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, 1911-12, Fellow in Philosophy, 1909-10, Fellow in Psychology, 1910-11, and Sarah Berliner Research Fellow, 1912-13. Associate in Educational and Experimental Psychology, Bryn Mawr College.

FLORENCE NICE BECKLEY, A.B., *Secretary to the Director.*

A.B., Vassar College, 1907. Simmons College, 1909-10. Secretary to the President, Newton Theological Institution, 1910-14.

ELLEN THAYER, A.B., *Teacher of French.*

A.B., Bryn Mawr College, 1907. The Sorbonne, Paris, 1909-11. Teacher of French in Wolfe Hall, Denver, Colo., 1911-12; Reader in French, Bryn Mawr College.

ETHEL VIRGINIA HUNLEY, A.B., *Teacher of History.*

A.B., Barnard College, 1915.

LOUISE MAY TATTERSHALL, A.B., *Teacher of Mathematics.*

A.B., Barnard College, 1908. Assistant Principal of the High School, White Haven, Pa., 1909-11; Student, Teacher's College Summer School, 1914; Teacher of Mathematics, Wykeham Rise, 1914-15.

MARION ALCOTT BALLOU, A.B., *Teacher of English.*

A.B., Mt. Holyoke College, 1910. Teacher of English and Latin in the High School, Sanford, Me., 1910-11; Teacher in the Perkins Institute for the Blind, Watertown, Mass., 1911-13; and Teacher in Miss Gilbert's School, Woonsocket, R. I., 1913-15.

### *The Academic Committee of the Alumnæ.*

CORNELIA VAN WYCK HALSEY, A.B. (Mrs. Frederic Rogers Kellogg), (*ex-officio*), 31 Boyken Street, MORRISTOWN, N. J.

PAULINE DOROTHEA GOLDMARK, A.B. (*Chairman*), 270 West 94th Street, NEW YORK CITY.

ANNA BELL LAWTHOR, A.B., 239 Seventeenth Street, DUBUQUE, IOWA.

ELLEN DEBORAH ELLIS, Ph.D., Mt. Holyoke College, SOUTH HADLEY, MASS.

SUSAN BRALEY FRANKLIN, Ph.D., 33 Central Park West, NEW YORK CITY.

GERTRUDE HARTMAN, A.B., *The College Inn*, BRYN MAWR, PA.

SUSAN FOWLER, A.B., 420 West 118th Street, NEW YORK CITY.

ELIZABETH SHEPLEY SERGEANT, A.B., 4 Hawthorne Road, BROOKLINE, MASS.

### *Honorary Corresponding Secretaries.*

*The following honorary corresponding secretaries, all of whom are graduates of Bryn Mawr College, have kindly consented to act as representatives of the college in the cities in which they live, and will at any time be glad to answer questions about the college.*

NEW YORK CITY: MISS EMILY REDMOND CROSS, 405 Park Avenue.

BALTIMORE: MRS. ANTHONY MORRIS CAREY, 1004 Cathedral Street.

PITTSBURGH, PA.: MRS. ALEXANDER JOHNSTON BARRON, Glen Osborne, Pa.

UTICA, N. Y.: MRS. ARTHUR PERCY SAUNDERS, Clinton, N. Y.

NEW HAVEN, CONN.: MRS. CHARLES MCLEAN ANDREWS, 424 St. Roman Street.

FARMINGTON, CONN.: MRS. HERBERT KNOX SMITH.

BOSTON, MASS.: MRS. INGERSOLL BOWDITCH, 19 Buckingham Street, Cambridge.

FALL RIVER, MASS.: MRS. RANDALL NELSON DUFEE, 19 Highland Avenue.

CHICAGO, ILL.: MRS. JAMES FOSTER PORTER, Hubbard Woods, Ill.

INDIANAPOLIS, IND.: MRS. FRANK NICHOLS LEWIS, 42 East 32nd Street.

MADISON, WIS.: MRS. MOSES STEPHEN SLAUGHTER, 633 Francis Street.

MINNEAPOLIS, MINN.: MRS. HAROLD OLNEY HUNT, *22 West 25th Street.*

ST. LOUIS, MO.: MRS. GEORGE GELLHORN, *4366 McPherson Avenue.*

PORTLAND, ORE.: MRS. HENRY MINOR ESTERLY, *499 East 25th Street,  
North.*

SOUTH PASADENA, CAL.: MISS ELIZABETH DANA MARBLE, *1313 Garfield  
Avenue.*

SALT LAKE CITY, UTAH: MISS KATE WILLIAMS, *177 13th East Street.*

ENGLAND: THE HON. MRS. BERTRAND RUSSELL, *11 St. Leonard's Terrace,  
Chelsea, London.*



## STUDENTS.

*Fellows and Graduate Students, Academic Year, 1915-16.*

GERTRUDE HILDRETH CAMPBELL, . . . . . *Mary E. Garrett European Fellow.*  
 Providence, R. I. A.B., Brown University, 1911, and A.M., 1912. Tutor in English,  
 Brown University, 1912; Graduate Scholar in English, Bryn Mawr College, 1912-13.  
 Fellow in English, 1913-14; Graduate Scholar and Fellow by Courtesy, 1914-15; Sen-  
 dent in the British Museum, London, 1915-16.

CHARLOTTE D'EVELYN, . . . . . *Mary E. Garrett European Fellow.*  
 San Francisco, Cal. B.L., Mills College, 1911; University of California, Summer, 1912.  
 Teacher in the Public Schools, Bloomington, Idaho, Jan. Jun., 1912, and in Sanger,  
 Cal., 1912-13; Graduate Scholar in English, Bryn Mawr College, 1913-15; Student  
 in the British Museum, London, 1915-16.

YVONNE STODDARD, . . . . . *Bryn Mawr European Fellow.*  
 Boston, Mass. Prepared by Miss Haskell and Miss Dean's School, Boston. First Bryn  
 Mawr Matriculation Scholar for the New England States, 1906-07. A.B., Bryn Mawr  
 College, 1913. Student, University of Oxford, 1915, 1916.

LILLIAN ROSANOFF, . . . . . *Helen Schaeffer Huff Memorial Fellow.*  
 New York City. A.B., Barnard College, 1908; A.M., Columbia University, 1911; Ph.D.,  
 Clark University, 1914. Teacher of Mathematics in Hunter College, 1908-10, and in  
 New York City High Schools, 1910-12, and 1914-15.

AGNES CARR VAUGHAN, . . . . . *Fellow in Greek.*  
 Tampa, Fla. A.B., Galloway College, 1907; A.M., University of Michigan, 1910. Fel-  
 low, University of Michigan, 1910-11. Associate in Greek and Latin, Hardin College,  
 Mexico, Mo., 1911-15.

ELIZABETH LOUISE DAVIS, . . . . . *Fellow in Latin.*  
 Jeffersonville, Ind. A.B., Indiana University, 1910, and A.M., 1914. Assistant Principal  
 of the Second High School, Gaston, Ind., 1910-11, and Principal of the High School,  
 1911-12; Teacher of Latin and Ancient History in the High School, Jeffersonville, Ind.,  
 1913-15.

MARY ELIZABETH BARNICLE, . . . . . *Fellow in English.*  
 Providence, R. I. A.B., Brown University, 1913. Teacher in Evening School, Provi-  
 dence, 1910-11; Graduate Scholar in English, Bryn Mawr College, 1913-15.

RUTH PERKINS, . . . . . *Fellow in German.*  
 Abington, Mass. A.B., Wellesley College, 1912; A.M., Radcliffe College, 1913. Assis-  
 tant in German and Latin in the High School, Belchertown, Mass., 1913-14; Graduate  
 Scholar in German, Bryn Mawr College, 1914-15.

GRETCHEN TODD, . . . . . *Fellow in Romance Languages.*  
 Milburn, N. J. A.B., Smith College, 1913. Student in Madrid, Spain, 1913-15.

AMY BLANCHE GREENE, . . . . . *Fellow in Semitic Languages and Biblical Literature.*

Cincinnati, O. A.B., Miami University, 1907; A.M., University of Chicago, 1914. Teacher  
 of Bible in Cincinnati Missionary Training School, 1911-15.

JEANETTE UNGER, . . . . . *Fellow in Economics.*  
 New York City. A.B., Barnard College, 1914, and A.M., Columbia University, 1915.  
 Graduate Student, Columbia University, 1914-15.

ELSA MAY BUTLER, . . . . . *Carola Woerishoffer Fellow in Social Economy and Social Research.*  
 St. Louis, Mo. A.B., Vassar College, 1905, and A.M., Washington University, 1914.  
 Teacher in the High School, Neligh, Neb., 1905-06; in Akeley Hall, Grand Haven,  
 Mich., 1906-08, and in Hasmer Hall, St. Louis, Mo., 1908-12. Assistant Head Worker  
 of the Social Service Department of St. Louis Children's Hospital, 1912-15.

- CORA LOUISE FRIEDLINE,.....*Fellow in Psychology.*  
Lincoln, Neb. A.B., University of Nebraska, 1913, and A.M., 1915. Scholar in Philosophy, University of Nebraska, 1914-15.
- HELEN MORNINGSTAR,.....*Fellow in Geology.*  
Columbus, O. A.B., Ohio State University, 1913, and A.M., 1915. Teaching Fellow in English, Ohio State University, 1913-15.
- JANE MARION EARLE,.....*British Scholar.*  
Croydon, England. Newnham College, Cambridge, 1907-10; Mathematical Tripos, Part 1, 1908, Part 2, 1910. Training College for Women, Cambridge, 1910-11. Teacher of Mathematics in the Girls' High School, Leeds, 1911-15.
- GWEN ANN JONES,.....*British Scholar.*  
Bala, Wales. B.A., University College of Wales, 1909, and M.A., 1914. Teacher in the Girls' Intermediate School, Pontypool, Wales, 1910-15.
- MARY RHYS,.....*British Scholar.*  
Blandford, Dorset, England. M.A., with Honours in English, Glasgow University, 1915.
- OCTAVIA ELFRIDA SAUNDERS,.....*British Scholar.*  
Mayfield, Sussex, England. M.A., St. Andrews University, 1910-14, with Honours in Modern Languages. Assistant Lecturer in German, St. Andrews University, 1914-15.
- FRIDA MARGARETE CLARA HOEHNE,.....*German Scholar.*  
Berlin, Germany. Student, University of Berlin, 1913-14, and University of Jena, 1914-15. Teacher in the English School for Girls, Dresden, 1906-08, and in the Lyceum, Berlin, 1911-13.
- ELIZABETH DARLINGTON ADAMS,.....*Scholar in English.*  
New London, Conn. A.B., Vassar College, 1915.
- LOUISE ELIZABETH WHETENHALL ADAMS,.....*Scholar in Greek.*  
Brooklyn, N. Y. A.B., Barnard College, 1914, and A.M., 1915. Graduate Student, Columbia University, 1914-15.
- GRACE ALBERT,.....*History.*  
Bryn Mawr, Pa. A.B., Bryn Mawr College, 1897, and A.M., 1903. Private Tutor, 1897-99; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, 1899-1901, of History, 1905-06, and Secretary, 1901-02; Graduate Student, Bryn Mawr College, 1901-02, and 1904-08; Graduate Scholar in History and Economics and Politics, 1902-03; Fellow in History and Student, University of London, engaged in research work in the Public Records Office, London, and in the University of Oxford, 1903-04; Head of Department of History in the Misses Shipley's School, Bryn Mawr, 1906-15.
- BEATRICE ALLARD,....*Scholar in Semitic Languages and Biblical Literature.*  
Boston, Mass. A.B., Mt. Holyoke College, 1915.
- MARION ALCOTT BALLOU,.....*English and Education.*  
Woonsocket, R. I. A.B., Mt. Holyoke College, 1910. Teacher of English and Latin in the High School, Sanford, Me., 1910-11; Teacher in the Perkins Institute for the Blind, Watertown, Mass., 1911-13; Teacher in Miss Gilbert's School, Woonsocket, R. I., 1913-15; Teacher of English in the Phebe Anna Thorne Model School, Bryn Mawr, 1915-16.
- HAZEL KATHERINE BARNETT,.....*Scholar in Psychology.*  
Bedford, Pa. A.B., Bryn Mawr College, 1915.
- GRACE BARTHOLOMEW,.....*Education.*  
Philadelphia. A.B., Bryn Mawr College, 1913. Teacher in Miss Mills's School, Mt. Airy, Philadelphia, 1914-15, and in Miss Hills's School, Ardmore, 1915-16.
- LOUISE GOEBEL BECK,\*.....*French.*  
Bryn Mawr, Pa. A.B., University of Illinois, 1912. Substitute Teacher of German, Civics, and Algebra in the High School, Champaign, Ill., 1912-13.
- FLORENCE NICE BECKLEY,.....*Education.*  
Newton Centre, Mass. A.B., Vassar College, 1907. Simmons College, 1910-11. Secretary to the President, Newton Theological Institution, 1910-14.

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\* Mrs. Jean Baptiste Beck.

- SUE, AVIS BLAKE.....*Chemistry.*  
 Merion, Pa. A.B., Bryn Mawr College, 1898, and A.M., 1900. Demonstrator and Graduate Student in Physics, Bryn Mawr College, 1898-99, 1904-06; Graduate Student, Bryn Mawr College, and Teacher of Mathematics and Science in the Misses Shipley's School, Bryn Mawr, Pa., 1899-1900; Assistant in Physics, Smith College, 1900-02, 1903-04; Fellow in Physics, Bryn Mawr College, 1906-07; Fellow in Physics, University of Pennsylvania, 1907-08; Instructor in Physics, Smith College, 1910-15.
- MARGARET BONTECOU,.....*History.*  
 Orange, N. J. A.B., Bryn Mawr College, 1909. Bryn Mawr European Fellow, 1909-10; Student, Universities of Munich and Oxford, 1910-11; Settlement Worker, Orange Social Settlement, 1912-13; Secretary and Private Tutor, 1913-14; Warden of Denbigh Hall, 1914-16.
- MARGARET SAEGER BRADWAY,.....*Scholar in Romance Languages.*  
 Haverford, Pa. A.B., Bryn Mawr College, 1915.
- MARGUERITE JENNIE BRECKENRIDGE,.....*Scholar in Mathematics.*  
 Grove City, Pa. A.B., Grove City College, 1913. Teacher in the High School, Centerville, Pa., 1913-15.
- IDA MARGARET BRINGARDNER,.....*English, History and History of Art.*  
 Columbus, O. A.B., Ohio State University, 1915.
- ANNA HAINES BROWN,.....*History.*  
 Philadelphia. A.B., Bryn Mawr College, 1915.
- ALICE HILL BYRNE,.....*Graduate Scholar in Latin.*  
 Lancaster, Pa. A.B., Wellesley College, 1908. Teacher of Latin and Greek in the Union High School, Coleraine, Pa., 1894-96, and Principal, 1899-1900; in Mrs. Blackwood's School, Lancaster, 1896-99, and 1900-01; Associate Principal and Teacher of Latin and Greek in Miss Stahl's School, Lancaster, 1901-05; Principal of the Shippin School, Lancaster, 1905-09; Teacher of Latin and Greek in Miss Hill's School, Philadelphia, 1909-11; Graduate Student, Bryn Mawr College, 1908-10, 1911-14, and Graduate Scholar in Greek, 1910-11, and in Latin, 1914-15; Teacher of Latin and Greek in the Baldwin School, Bryn Mawr, 1911-12, 1913-16, and in charge of the Lower School, 1912-13.
- ALICE SQUIRES CHEYNEY,  
*English, Social Economy and Social Research, and Psychology.*  
 Philadelphia. A.B., Vassar College, 1909. Philadelphia Training Course for Social Workers, 1909-10; Graduate Student, University of Pennsylvania, 1910-11.
- ANNA WHITMAN CLARK,.....*Biology.*  
 Binghamton, N. Y. A.B., Vassar College, 1898. Private Assistant to Professor Brookover in Biological Laboratory, Colorado College, 1899-1900; Teacher of Science and Mathematics in Miss Butt's School, Norwich, Conn., 1905-11, and in Miss Walker's School, Lakewood, N. J., 1911-14; Summer Session, Teacher's College, Columbia University, 1914; Teacher of Elementary Science and Arithmetic in the Phebe Anna Thorae Model School, 1914-16.
- MARGUERITE JOZELLE COWAN,.....*Penn College Scholar.*  
 Oskaloosa, Ia. P.E.B., Penn College, 1915.
- EDITH CHAPIN CRAVEN,\*.....*French.*  
 Wayne, Pa. A.B., Bryn Mawr College, 1899. Graduate Student, Bryn Mawr College, 1899-1900; Reader in English, Bryn Mawr College, 1915-16.
- ELIZABETH BEATRICE DAW,...*Fellow by Courtesy and Scholar in English.*  
 Spottswood, N. J. A.B., Vassar College, 1909, and A.M., University of Pennsylvania, 1910. Reader in English, Bryn Mawr College, 1912-14; Fellow in English, 1914-15.
- MARY DOAN,.....*Guilford College Scholar.*  
 Indianapolis, Ind. A.B., Guilford College, 1915.
- ESTHER CLOUDMAN DUNN,.....*English.*  
 South Portland, Me. A.B., Cornell University, 1913. Lecturer in English, Maine State Summer School, 1914; Reader in English, Bryn Mawr College, 1914-16.
- ELISABETH ALWARD EAMES,.....*English, French and History of Art.*  
 Wahiawa, Oahu, H. T. B.L., University of California, 1914.

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\* Mrs. Thomas Truxton Tingey Craven.



- GRACE FRANK, \* ..... *English and French.*  
Bryn Mawr, Pa. A.B., University of Chicago, 1906. Graduate Student, Bryn Mawr College, 1908-10, 1913-16.
- HELEN GENEVIEVE FULLER,  
    *Carola Woerishoffer Scholar in Social Economy and Social Research.*  
Amesbury, Mass. A.B., Mt. Holyoke College, 1915.
- MARGARET MADELEINE GEORGE, ..... *History and Economics and Politics.*  
Sudlersville, Md. A.B., Western Maryland College, 1915.
- MARY ALICE HANNA, ..... *Fellow by Courtesy in History.*  
Trenton, Mo. A.B., University of Missouri, 1909, and B.S., 1911. Teacher in the High School, Vandalia, Mo., 1909-11; Graduate Student, Bryn Mawr College, 1911-12, Fellow in History, 1912-13, and Graduate Scholar and Fellow by Courtesy in History, 1914-15; Mary E. Garrett European Fellow and Research Student in the British Museum, London, and London School of Economics, 1913-14.
- MILDRED HARDENBROOK, ..... *Fellow by Courtesy in Greek.*  
Valatie, N. Y. A.B., Vassar College, 1908, and A.M., 1909. Graduate Scholar in Greek, Bryn Mawr College, 1911-12, 1913-14; Fellow in Greek, 1914-15.
- FLORENCE MAY HARPER, ..... *Scholar in Romance Languages.*  
Seattle, Wash. B.L., Mills College, 1913. Graduate Scholar in Romance Languages, Bryn Mawr College, 1914-15.
- JANE ANNETTA HARRISON, ..... *Teutonic Philology.*  
La Plata, Mo. A.B. and B.S., University of Missouri, 1906, and A.M., 1907. Scholar in Germanic Languages, University of Missouri, 1906-07, and Graduate Student, 1908-09; Teacher in the High School, Sedalia, Mo., 1907-08; Fellow in German, Bryn Mawr College, 1909-10; Ottendorfer Memorial Research Fellow, and Student in Universities of Berlin and Heidelberg, 1910-11; Teacher in the High School, St. Charles, Mo., 1911-13; Scholar and Fellow by Courtesy in German, Bryn Mawr College, 1913-14; Instructor in German in the Misses Shipley's School, Bryn Mawr, 1914-16.
- HELEN FRANCES HARVEY, ..... *Scholar in Biology.*  
Oberlin, O. A.B., Oberlin College, 1915.
- ALICE PHILENA FELICIA HUBBARD,  
    *Fellow by Courtesy and Scholar in Romance Languages.*  
Austin, Tex. B.S., University of Texas, 1900, and A.M., 1902. University of Chicago Summer School, 1904, 1905. Fellow in Spanish, University of Texas, 1899-1902; Tutor in Spanish, University of Texas, 1902-08, and Instructor in Spanish, 1908-13; Graduate Student, Bryn Mawr College, 1913-14, and Fellow in Romance Languages, 1914-15.
- ETHEL VIRGINIA HUNLEY, ..... *Education.*  
New York City. A.B., Barnard College, 1915. Teacher of History in the Phebe Anna Thorne Model School, 1915-16.
- FLORENCE CATHERINE IRISH, ..... *History.*  
Norristown, Pa. A.B., Bryn Mawr College, 1914.
- MILDRED CLARK JACOBS, ..... *Social Economy and Social Research.*  
Philadelphia. A.B., Bryn Mawr College, 1916.
- MATHILDA JEPSEN, ..... *English, History and Politics.*  
Gardnerville, Nev. A.B., University of Nevada, 1912. Teacher in the High School, Douglas County, Nevada, 1912-15.
- MILDRED LEWIS JUSTICE, ..... *Scholar in Education.*  
Ardmore, Pa. A.B., Bryn Mawr College, 1915.
- JULIA BRAINERD KESSEL, ..... *History and Politics.*  
Cresco, Ia. A.B., Grinnell College, 1914.
- MARY BARBARA KOLARS, ..... *Scholar in English.*  
Le Sueur Center, Minn. A.B., University of Minnesota, 1913.

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\* Mrs. Tenney Frank.



- ELLY WILHELMINA LAWATSCHKE, . . . . . *Teutonic Philology and Philosophy*.  
Teplitz, Austria. A.B., University of Washington, 1913; Graduate Student, Wellesley College, 1914-15; Assistant in German, University of Washington, 1909-13; German Instructor, Walnut Hill High School, Natick, Mass., 1914-15; Reader in German, Bryn Mawr College, 1915-16.
- ELIZABETH THRUSTON LEAKE, \* . . . . . *English*.  
Bryn Mawr, Pa. A.B., Goucher College, 1910. Assistant Principal of the High School, Ashland, Va., 1910-11.
- LEONORA LUCAS, . . . . . *French and Spanish*.  
Evanston, Ill. A.B., Bryn Mawr College, 1912. Graduate Student, Northwestern University, 1912-13; Professor of Romance Languages, Brenau College, Gainesville, Ga., 1913-15.
- EDITH REBECCA MACAULEY, . . . . . *Scholar in English*.  
Medina, N. Y. A.B., University of Michigan, 1915.
- JANET MALCOLM MACDONALD, . . . . . *Scholar in Archaeology*.  
Fort Dodge, Ia. A.B., Morningside College, 1910. A.M., University of Illinois, 1913. Assistant Principal in the High School, Aurelia, Ia., 1911-12; Instructor in Latin, Morningside College, 1913-15.
- HELEN MAGEE, . . . . . *English and French*.  
Easton, Pa. A.B., University of Michigan, 1914. Stenographer to the President, Bryn Mawr College, 1914-16.
- RUTH COE MANCHESTER, . . . . . *Scholar in Latin*.  
Winsted, Conn. A.B., Bryn Mawr College, 1913. Teacher of Languages and History in the High School, Canaan, Conn., 1913-15.
- GRACE MEDES, . . . . . *Fellow by Courtesy in Biology*.  
Kansas City, Mo. A.B., University of Kansas, 1904, and A.M., 1913. Fellow in Biology, Bryn Mawr College, 1913-15.
- JESSIE ELIZABETH MINOR, . . . . . *Scholar in Chemistry*.  
Springfield, Mo. B.S., Drury College, 1904. Graduate Student, University of Chicago, Summer 1906, 1907, and University of Pennsylvania, 1908-10. Substitute Professor of Chemistry, Drury College, 1906-08; Professor of Chemistry, Huguenot College, Wellington, S. Africa, 1911-14; Graduate Scholar in Chemistry, Bryn Mawr College, 1914-15.
- WILLAVENE SOBER MORRIS, † . . . . . *English*.  
Chestnut Hill, Pa. A.B., College for Women of Western Reserve University, 1908.
- MARY FRANCES NEARING, . . . . . *Social Economy and Social Research*.  
Philadelphia. A.B., Bryn Mawr College, 1909. Teacher of English in St. Margaret's School, Waterbury, Conn., 1910-11; Secretary and Athletic Director, Miss Walker's School, Lakewood, N. J., 1911-13; Social Service Worker, Philadelphia, 1913-14; Warden of Rockefeller Hall, 1914-16.
- DOROTHY OCHTMAN, . . . . . *Archæology*.  
Cos Cob, Conn. A.B., Smith College, 1914. Demonstrator in the History of Art, Bryn Mawr College, 1914-16.
- HAZEL GRANT ORMSBEE,  
*Carola Woerishoffer Scholar in Social Economy and Social Research*.  
Ithaca, N. Y. A.B., Cornell University, 1915.
- MARY EDITH PINNEY, . . . . . *Biology*.  
Wilson, Kans. A.B., University of Kansas, 1908, and A.M., 1910. Teacher in High School, Alma, Kans., 1908-09; Teaching Fellow in Zoology, University of Kansas, 1909-10; Fellow in Biology, Bryn Mawr College, 1910-11; President's European Fellow and Student, Universities of Bonn and Heidelberg and Zoological Station, Naples, 1911-12; Instructor in Zoology, University of Kansas, 1912-13; Demonstrator in Biology, and Fellow by Courtesy in Biology, Bryn Mawr College, 1913-14, and Demonstrator in Biology, 1914-16.

\* Mrs. James Miller Leake.

† Mrs. Herbert C. Morris.

- ELEANOR FERGUSON RAMBO,.....*Ancient History and Archaeology.*  
Philadelphia. A.B., Bryn Mawr College, 1908, A.M., 1909. Scholar in Greek, Bryn Mawr College, 1908-09; Graduate Student in Latin, 1909-10, and in Archaeology, 1911-12, 1914-15; Teacher of Mathematics in the Misses Kirk's School, Bryn Mawr, 1909-10; Private Tutor, 1910-11; Teacher of Latin in Miss Wright's School, Bryn Mawr, and Private Tutor, 1911-16.
- EMMA SELLERS ROBERTSON,.....*Education.*  
Philadelphia. A.B., Bryn Mawr College, 1913. Teacher of French in the Chatham Episcopal Institute, Chatham, Va., 1912-14, and in Miss Cruice's School, Philadelphia, and in Miss Roney's School, Philadelphia, 1914-16.
- EDITH FORSYTH SHARPLESS,....*Biblical Literature and Semitic Languages.*  
Haverford, Pa. A.B., Bryn Mawr College, 1905; A.M., Columbia University, 1910. Teacher of History and Latin in Guilford College, 1905-09; Teacher in Friends' Mission, Tokyo, 1910-12 and in Mito, Japan, 1912-15.
- EDNA ASTON SHEARER,.....*Philosophy.*  
Bryn Mawr, Pa. A.B., Bryn Mawr College, 1904, and Ph.D., 1914. Junior Fellow in Philosophy, Bryn Mawr College, 1904-05; Holder of the President's Fellowship and Student, Universities of Edinburgh and Aberdeen, 1905-06; Fellow in Philosophy, Bryn Mawr College, 1906-07; Teacher of English in the Baldwin School, Bryn Mawr, Pa., 1907-09, and Graduate Student, Bryn Mawr College, 1907-08; Reader in English, Bryn Mawr College, 1908-16 and Reader in Philosophy, 1914-15.
- LUCIA HELEN SMITH,.....*Chemistry.*  
New York City. A.B., Vassar College, 1915. Demonstrator in Physics, Bryn Mawr College, First Semester, 1915-16.
- LILLIAN SOSKIN,.....*Scholar in Economics.*  
New York City. A.B., Barnard College, 1915.
- LOUISE MAY TATTERSHALL,.....*Education and Mathematics.*  
White Haven, Pa. A.B., Barnard College, 1908. Teachers' College Summer School, 1914. Assistant Principal of the High School, White Haven, 1909-11; Teacher of Mathematics in Wykeham Rise, Washington, Conn., 1914-15, and in the Phebe Anna Thorne Model School, Bryn Mawr, 1915-16.
- MARY LOUISE TERRIEN,.....*German.*  
Nashua, N. H. A.B., Smith College, 1905. Simmons College Library School, Boston, Mass., 1914-15. Assistant to the Circulation and Reference Librarian, Bryn Mawr College, 1915-16.
- FRANCES HOWARD TETLOW,.....*Social Economy and Social Research.*  
Boston, Mass. A.B., Radcliffe College, 1908. Teacher of English Composition in the Winsor School, Boston, 1909-15.
- ELLEN THAYER,.....*French.*  
London, England. A.B., Bryn Mawr College, 1907. Student at the Sorbonne, 1909-11; Teacher of French in Wolfe Hall, Denver, Col., 1911-12, and in the Phebe Anna Thorne Model School, Bryn Mawr, 1915-16; Reader in French, Bryn Mawr College, 1914-16.
- ELISE TOBIN,.....*Scholar in Chemistry.*  
Brooklyn, N. Y. B.S., Barnard College, 1915.
- HELEN LORING TUFTS,.....*Earlham College Scholar.*  
Vernon, N. Y. A.B., Earlham College, 1915.
- BEULAH LOUISE WARDELL,\*.....*Scholar in English.*  
Columbus, O. A.B., Ohio State University, 1913, and A.M., 1915. Fellow in English, Ohio State University, 1913-14, and Graduate Assistant in English, 1914-15.
- AMEY EATON WATSON,†.....*Social Economy and Social Research.*  
Haverford, Pa. A.B., Women's College in Brown University, 1907; A.M., University of Pennsylvania, 1910. Teacher in Miss Wheeler's School, Providence, R. I., 1907-08; Instructor in the Department of Social Science, University of Utah, 1912.
- DOROTHY VIVIAN WESTON,  
*Carola Woerishoffer Scholar in Social Economy and Social Research and  
College Settlements Association Joint Fellow.*  
New York City. A.B., Bryn Mawr College, 1914; Resident, College Settlement of New York City, 1914-15.

\* Mrs. Miles L. Hanley.

† Mrs. Frank D. Watson.

- HELEN EMMA WIEAND, ..... *Latin*.  
 Pottstown, Pa. A.B., Mt. Holyoke College, 1906, and A.M., 1908. Graduate Scholar in Latin and Archaeology, Bryn Mawr College, 1907-09; Teacher of Latin and German in the High School, Phoenixville, Pa., 1909-10; Student in Pottstown Business College, 1910-11; Secretary to the Dean of the Philadelphia College of Pharmacy, 1911; Instructor in Latin in Wheaton College, Norton, Mass., 1911-13, and Assistant Professor, 1913-15.
- MARGUERITE WILLCOX, ..... *Fellow by Courtesy in Chemistry*  
 Oxford, N. Y. A.B., Mt. Holyoke College, 1913. Graduate Scholar in Chemistry, Bryn Mawr College, 1913-14, and Fellow in Chemistry, 1914-15.
- MARGARET WOODBURY, ..... *Scholar in History*  
 Columbus, O. A.B., Ohio State University, 1915.

### *Undergraduate Students, Academic Year, 1915-16.*

- ADAMS, EWING, ..... *Group, History and ———*, 1915-16.  
 St. Louis, Mo. Prepared by the Mary Institute, St. Louis.
- ALDEN, RUTH WESTON, ..... *Group, Modern History and History of Art*, 1912-16.  
 Rochester, N. Y. Prepared by the Baldwin School, Bryn Mawr, Pa., and by private tuition.
- ALLEN, MARY WARE, ..... *Group, Chemistry and Biology*, 1914-16.  
 Bonita, Cal. Prepared by the High School, National City, California, and by private tuition.
- ALLISON, FRANCES EKin, ..... *Group, English and Philosophy*, 1915-16.  
 St. Louis, Mo. Prepared by the Mary Institute, St. Louis.
- ALLPORT, HARRIET HUBBARD, ..... *Group, Modern History and ———*, 1913-16.  
 Chicago, Ill. Prepared by the University School for Girls, Chicago. University of Chicago. 1912-13.
- ANDERTON, VIRGINIA WALLIS, *Group, Latin and Ancient History*, 1914-16.  
 Milwaukee, Wis. Prepared by Milwaukee-Downer Seminary, Milwaukee, and by the Misses Kirk's School, Bryn Mawr, Pa.
- ANDREWS, ETHEL, ..... *Group, ———*, 1915-16.  
 New Haven, Conn. Prepared by Miss Johnson's School, New Haven, by the French School, Lausanne, Switzerland, and by Miss Ethel Walker's School, Lakewood, N. J.
- ANDREWS, MARY BARTOW, ..... *Group, Chemistry and Biology*, 1913-16.  
 Englewood, N. J. Prepared by the High School, Englewood, and by the Misses Shipley's School, Bryn Mawr, Pa.
- ATHERTON, ELEANOR RIGGS, ..... *Group, Modern History and Economics and Politics*, 1914-16.  
 Wilkes Barre, Pa. Prepared by the Wilkes Barre Institute, Wilkes Barre.
- BABBITT, MARY EVELYN, ..... *Group, Modern History and Economics and Politics*, 1914-16.  
 Haverford, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa., and by the Westtown Boarding School, Westtown, Pa.
- BACON, MARGARET HOWELL, ..... *Group, Psychology and Biology*, 1914-16.  
 Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia, and by the Westtown Boarding School, Westtown, Pa.
- BAILEY, GEORGIA REILY, ..... *Group, ———*, 1915-16.  
 Harrisburg, Pa. Prepared by the Seiler School, Harrisburg, and by St. Timothy's School, Catonsville, Pa.



- BAILEY, MARTHA,.....*Group, ———, 1914-16.*  
Harrisburg, Pa. Prepared by the Seiler School, Harrisburg, and by St. Timothy's School, Catonsville, Md.
- BAIN, OLIVE LOVE,.....*Group, French and Spanish, 1914-16.*  
New York City. Prepared by the Veltin School, New York City.
- BAKER, VIRGINIA,.....*Group, Latin and Ancient History, 1912-16.*  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- BARNETT, GLADYS MARY,.....*Group, French and ———, 1914-16.*  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1914-16.
- BATCHELDER, KATHRYNE CHASE,  
*Group, Modern History and Economics and Politics, 1912-16.*  
Faribault, Minn. Prepared by the High School, Faribault. University of Minnesota, 1911-12.
- BEARDWOOD, ALICE,.....*Group, German and Modern History, 1913-16.*  
Philadelphia. Prepared by the Girls' High School, Philadelphia.
- BEATTY, FREDERIKA,.....*Group, ———, 1915-16.*  
Athens, Ga. Prepared by the Lucy Cobb Institute, Athens.
- BENSBERG, BETSY BROOKE BRIGHT,  
*Group, Modern History and Economics and Politics, 1912-16.*  
St. Louis, Mo. Prepared by Penn Hall, Chambersburg, Pa., and by private tuition, and by the Misses Kirk's School, Bryn Mawr, Pa.
- BETTMAN, MARIAN ROSE,.....*Group, Chemistry and Biology, 1915-16.*  
Cincinnati, O. Prepared by University School, Cincinnati.
- BIDDLE, ELIZABETH R.,.....*Group, ———, 1915-16.*  
Wallingford, Pa. Prepared by the Friends' Select School, Philadelphia, and by the Westtown Boarding School, Westtown, Pa.
- BIRD, DORIS MARIE,.....*Group, Latin and English, 1913-16.*  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1913-16.
- BLAKEY, DOROTHY MARY,.....*Group, Latin and ———, 1915-16.*  
Estherville, Ia. Prepared by the High School, Estherville. University of Minnesota, 1913-15.
- BLODGETT, KATHARINE BURR, *Group, Mathematics and Physics, 1913-16.*  
New York City. Prepared by the Misses Rayson's School, New York City. First Matriculation Scholar for New York, New Jersey and Delaware, 1913-14.
- BLUE, AUGUSTA LYELL,.....*Group, ———, 1915-16.*  
Charlottesville, Va. Prepared by St. Anne's School, Charlottesville, and by the Misses Kirk's School, Bryn Mawr, Pa.
- BOOTH, ANNA MARTHA,.....*Group, English and ———, 1914-16.*  
Philadelphia. Prepared by the Girls' High School, Philadelphia.
- BORN, THERESE MATHILDE,.....*Group, ———, 1914-16.*  
Indianapolis, Ind. Prepared by Tudor Hall, Indianapolis. Bryn Mawr Matriculation Scholar for the Western States, 1914-15.
- BOYD, MARY, *Group, Modern History and Economics and Politics, 1913-16.*  
New York City. Prepared by the Veltin School, New York City.
- BRADLEY, FRANCES SLADEN,.....*Group, Latin and English, 1912-16.*  
Panama Canal Zone. Prepared by Portland Academy, and by St. Helen's Hall, Portland, Ore., and by the Baldwin School, Bryn Mawr, Pa.
- BRAKELEY, ELIZABETH,.....*Group, Mathematics and Chemistry, 1912-16.*  
Freehold, N. J. Prepared by the High School, Freehold, and by the Baldwin School, Bryn Mawr, Pa.



- BRANSON, FRANCES GARRETT, . . . . . *Group*, ———, 1915-16.  
Rosenmont, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.
- BRANSON, MARY GARRETT, . . . *Group, Mathematics and Physics*, 1912-16.  
Rosenmont, Pa. Prepared by Miss Wright's School, Bryn Mawr, Pa., and by the West-  
town Boarding School, Westtown, Pa.
- BRIDGE, ISABELLE, . . . . . *Group, German and Modern History*, 1912-16.  
Evanston, Ill. Prepared by the Evanston Academy, Evanston, and by the Misses Ship-  
ley's School, Bryn Mawr, Pa. Northwestern University, 1911-12.
- BRODHEAD, GERTRUDE ROSS, . . . *Group, Mathematics and* ———, 1915-16.  
Parkersburg, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.
- BROOMFIELD, MABEL, . . . . . *Group*, ———, 1915-16.  
Philadelphia. Prepared by the Girls' High School, West Philadelphia. City Scholar,  
1915-16.
- BROWN, LOVIRA CHAPIN, . . . *Group, French and Modern History*, 1913-16.  
Greenwich, Conn. Prepared by Rosemary Hall, Greenwich.
- BRYNE, EVA ALICE WORRALL, . . . . . *Group, Latin and English*, 1912-16.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia  
Girls' High School Scholar, 1912-16; James E. Rhoads Sophomore Scholar, 1913-14;  
James E. Rhoads Junior Scholar, 1914-15; Anna M. Powers Memorial Scholar, 1915-16.
- BUFFUM, FRANCES, . . . *Group, Economics and Politics and* ———, 1914-16.  
Cohasset, Mass. Prepared by the High School, Cohasset, and by private tuition.
- BURT, ALENE, . . . . . *Group, Spanish and History of Art*, 1912-16.  
New York City. Prepared by the Veltin School, New York City.
- BUTLER, MARGARET ELISABETH, . . . *Group, English and French*, 1915-16.  
St. Paul, Minn. Prepared by the Visitation Convent, St. Paul, and by Mrs. Backus's  
School for Girls, St. Paul.
- BUTTERFIELD, HELEN IOLA, . . . . . *Group*, ———, 1914-16.  
New York City. Prepared by Miss Madeira's School, Washington, D. C., and by the  
Misses Kirk's School, Bryn Mawr, Pa.
- CARROLL, HELOISE, . . . . . *Group, Philosophy and Psychology*, 1913-16.  
Asheville, N. C. Prepared by the Asheville School for Girls, Asheville, and by the Misses  
Shipley's School, Bryn Mawr, Pa.
- CARUS, MARY ELISABETH, . . . . . *Group*, ———, 1915-16.  
La Salle, Ill. Prepared by the La Salle-Peru Township High School, La Salle. University  
of Chicago, 1914-15.
- CASSEL, GLADYS HAGY, . . . . . *Group, Latin and English*, 1914-16.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia  
Girls' High School Scholar, 1914-16; Special Scholar, 1915-16.
- CASSELBERRY, CATHARINE,  
*Group, Modern History and Economics and Politics*, 1913-16.  
Chicago, Ill. Prepared by the University School for Girls, Chicago, and by Miss Wright's  
School, Bryn Mawr, Pa.
- CHADBOURNE, EMILY ROXANA, . . . . . *Group*, ———, 1915-16.  
Waban, Mass. Prepared by the Brimmer School, Boston, Mass.
- CHAMBERS, DOROTHEA NESBITT,  
*Group, Modern History and Economics and Politics*, 1915-16.  
Adana, Turkey. Prepared by the Utica Free Academy, Utica, N. Y.
- CHASE, HELEN STARKWEATHER,  
*Group, Modern History and French*, 1912-16.  
Waterbury, Conn. Prepared by St. Margaret's School, Waterbury, and by Miss Spence's  
School, New York City.

- CHASE, LUCIA HOSMER, . . . *Group, Greek and Italian and Spanish*, 1913-16.  
Waterbury, Conn. Prepared by St. Margaret's School, Waterbury.
- CHASE, MARGARET,  
    *Group, Philosophy and Economics and Politics*, 1912-16.  
Titusville, Pa. Prepared by the High School, Titusville, and by Miss Wright's School,  
Bryn Mawr, Pa.
- CHENEY, ELIZABETH HOPE, . . . . . *Group, English and French*, 1913-16.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Charles E. Ellis  
Scholar, 1913-14.
- CHENEY, RUTH, . . . . . *Group, Spanish and ———*, 1914-16.  
Peterborough, N. H. Prepared by Villa Vieudonne, Paris, France, and by the Misses  
May's School, Boston, Mass.
- CLARKE, FRANCES CHASE, . . . . . *Group, ———*, 1915-16.  
Providence, R. I. Prepared by Miss Wheeler's School, Providence.
- CLINE, MARY SYLVESTER, . . . . . *Group, Greek and Latin*, 1913-16.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Minnie Murdoch  
Kendrick Memorial Scholar, 1913-16.
- CLINTON, ELEANOR MARCELLA, *Group, Mathematics and Physics*, 1912-16.  
Philadelphia. Prepared by the Portland Academy, Portland, Ore., and by the Girls'  
High School, Philadelphia. Second Bryn Mawr Matriculation Scholar for Pennsylv-  
ania and Southern States, 1912-13; Frances Marion Simpson Memorial Scholar and  
City Scholar, 1912-16.
- COLLINS, AMY WHIPPLE, . . . . . *Group, ———*, 1915-16.  
Charleston, W. Va. Prepared by the College Preparatory School of Cincinnati, and by the  
Baldwin School, Bryn Mawr, Pa.
- COLLINS, HAZEL STEELE, . . . . . *Group, Mathematics and Physics*, 1915-16.  
Gloversville, N. Y. Wellesley College, 1914-15.
- COLLINS, SARAH LOUISE,  
    *Group, Modern History and Economics and Politics*, 1913-16.  
Purchase, N. Y. Prepared by the Westtown Boarding School, Westtown, Pa., and by  
the Brearley School, New York City.
- COLTER, MARY FRANCES, . . . . . *Group, Latin and ———*, 1913-16.  
Cincinnati, O. Prepared by the Bartholomew-Clifton School, Cincinnati. Second Bryn  
Mawr Matriculation Scholar for the Western States, 1913-14.
- CONOVER, HELEN FIELD, . . . . . *Group, ———*, 1915-16.  
Bay City, Mich. Prepared by the Eastern High School, Bay City.
- COOMBS, SARAH VIRGINIA, . . . . . *Group, French and ———*, 1915-16.  
Searsdale, N. Y. Prepared by the Lockwood Collegiate School, Searsdale.
- COOPER, ELEANOR STEWARD, . . . . . *Group, English and German*, 1915-16.  
Lansdowne, Pa. Prepared by the Swarthmore Preparatory School and by the Mary Lyon  
School, Swarthmore, Pa.
- CORDINGLEY, MARY FORSYTH, . . . . . *Group, ———*, 1914-16.  
Chestnut Hill, Mass. Prepared by the Misses May's School, Boston, Mass.
- COULTER, ANNA BREWSTER, . . . . . *Group, French and Spanish*, 1913-16.  
Chicago, Ill. Prepared by the University School for Boys, Chicago, and by Rosemary  
Hall, Greenwich, Conn.
- CROWELL, CAROLINE, . . . . . *Group, Physics and Chemistry*, 1912-16.  
Avondale, Pa. Prepared by private tuition.
- CURRY, PHOEBE,  
    *Group, Modern History and Economics and Politics*, 1913-16.  
Danville, Pa. Prepared by Dickinson Seminary, Williamsport, Pa., and by the Misses  
Shipley's School, Bryn Mawr, Pa.

- CURTIN, FRANCES BIRDA,  
*Group, Economics and Politics and Psychology, 1913-16.*  
 Clarksburg, W. Va. Prepared by the High School, Clarksburg, and by the Misses Ship-  
 ley's School, Bryn Mawr, Pa.
- DABNEY, ELIZABETH CARRINGTON, . . . . . *Group, ———, 1915-16.*  
 Dallas, Tex. Prepared by Miss Holley's School, Dallas, and by Miss Wright's School,  
 Bryn Mawr, Pa.
- DAVIDSON, LUCILE, *Group, Economics and Politics and Psychology, 1911-16.*  
 Fort Worth, Tex. Prepared by the Veltin School, New York City.
- DAVIS, ANNE WALLIS, . . . . . *Group, Chemistry and Biology, 1913-16.*  
 Princeton, N. J. Prepared by Miss Fine's School, Princeton.
- DAY, FRANCES BLAKISTON, . . . . . *Group, ———, 1915-16.*  
 Philadelphia. Prepared by the Wissahickon Heights' School, St. Martins, Philadelphia  
 and by the Friends' School, Germantown, Philadelphia.
- DELAPLAINE, MERIBAH CROFT, . . . . . *Group, ———, 1915-16.*  
 Union, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.
- DEMING, JULIA,  
*Group, Modern History and Economics and Politics, 1911-16.*  
 Oswego, Kan. Prepared by Oswego College and by the Baldwin School, Bryn Mawr, Pa.
- DENEEN, DOROTHY,  
*Group, Modern History and Economics and Politics, 1912-16.*  
 Springfield, Ill. Prepared by the High School, Springfield, and by Rosemary Hall, Green-  
 wich, Conn.
- DE VENISH, ADDIE CLEORA,  
*Group, Modern History and Economics and Politics, 1912-16.*  
 Philadelphia. Prepared by the Hannah More Academy, Reisterstown, Md., by the Girls'  
 High School, Philadelphia, and by private tuition. Special Scholar, 1914-15.
- DIAMOND, ISABELLA STEVENSON, . . . . *Group, Latin and English, 1913-16.*  
 Fulton, N. Y. Prepared by the High School, Fulton, by the Baldwin School, Bryn Mawr,  
 Pa., and by the Misses Kirk's School, Bryn Mawr. Syracuse University, 1911-12.
- DILLINGHAM, LOUISE BULKLEY, . . . . *Group, German and French, 1912-16.*  
 Millburn, N. J. Prepared by the Short Hills School, Short Hills, N. J. Second Bryn  
 Mawr Matriculation Scholar for New York, New Jersey and Delaware, 1912-13.
- DIXON, HENRIETTA AMELIA, . . . . *Group, Chemistry and Biology, 1913-16.*  
 East Orange, N. J. Prepared by the High School, East Orange.
- DODD, MARGARET PERLEY, . . . *Group, Psychology and Chemistry, 1912-16.*  
 Chestnut Hill, Mass. Prepared by Miss Haskell and Miss Dean's School, Boston, Mass.
- DODGE, CHARLOTTE WRIGHT, . . . . *Group, English and ———, 1914-16.*  
 Rochester, N. Y. Prepared by Miss Wheeler's School, Providence, R. I.
- DONCHIAN, EUGENIE, . . . . . *Group, Latin and Spanish, 1912-13, 1914-16.*  
 New York City. Prepared by the Horace Mann School, New York City.
- DOWD, CONSTANCE ELEANOR, . . . *Group, Psychology and Biology, 1912-16.*  
 New York City. Prepared by the Misses Rayson's School, New York City.
- DRIVER, RUTH, . . . . . *Group, French and ———, 1915-16.*  
 Santa Barbara, Cal. Prepared by the Gamble School, Santa Barbara, and by the Misses  
 Shipley's School, Bryn Mawr, Pa.
- DUBACH, ANNA REUBENIA, . . . . . *Group, ———, 1915-16.*  
 St. Louis, Mo. Prepared by Mary Institute, St. Louis. Bryn Mawr Matriculation Scholar  
 for the Western States, 1915-16.
- DUFOURCQ, KATHARINE VERMILYE, *Group, French and Spanish, 1914-16.*  
 New York City. Prepared by the Hamilton Institute for Girls, New York City.



- DULLES, ELEANOR LANSING, . . . . . *Group, Chemistry and Biology*, 1913-16.  
Auburn, N. Y. Prepared by the High School, Auburn, by Mt. Vernon Seminary, Washington, D. C., and by Wykeham Rise, Washington, Conn. First Bryn Mawr Matriculation Scholar for the New England States, 1913-14.
- EASTWICK, KATHERINE CONSUELO HINKLE,  
*Group, French, Italian and Spanish*, 1914-16.  
New York City. Prepared by Dr. Andreae's School, Mehlem a. Rhein, Germany, and by the Misses Kirk's School, Bryn Mawr, Pa.
- EHLERS, ANITA LOUISE ADELE, . . . . . *Group*, ———, 1915-16.  
Hoboken, N. J. Prepared by the Hoboken Academy.
- ELY, ANNA MASON, . . . . . *Group*, ———, 1915-16.  
Madison, Wis. Prepared by the University High School, Madison. University of Wisconsin, 1914-15.
- EMERSON, ELISABETH, . . . . . *Group, Chemistry and Biology*, 1913-16.  
Providence, R. I. Prepared by the Lincoln School, Providence.
- EVANS, LUCY, . . . . . *Group*, ———, 1914-16.  
Scarborough, N. Y. Prepared by the High School, Ossining, N. Y., by the Misses Shipley's School, Bryn Mawr, Pa., and by private tuition.
- EVERETT, CATHERINE ARMS, . . . . . *Group, Greek and Latin*, 1915-16.  
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia. Mary Anna Longstreth Memorial Scholar and Special Scholar, 1915-16.
- EVERETT, JANE HAMLIN, . . . . . *Group*, ———, 1915-16.  
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia. Special Scholar, 1915-16.
- EWEN, MARJORIE PATTERSON, . . . . . *Group, History and* ———, 1915-16.  
Lake Forest, Ill. Prepared by the Township High School, Evanston, Ill., and by Miss Wright's School, Bryn Mawr, Pa.
- FAULKNER, ELIZABETH, . . . . . *Group, French and Italian and Spanish*, 1913-16.  
Keene, N. H. Prepared by the MacDuffie School, Springfield, Mass., and by the Winsor School, Longwood, Mass.
- FAUVRE, ELISABETH MAUS, . . . . . *Group*, ———, 1915-16.  
Indianapolis, Ind. Prepared by Tudor Hall, Indianapolis, and by Miss Wright's School, Bryn Mawr, Pa.
- FAY, MARGARET VIRGINIA, . . . . . *Group*, ———, 1915-16.  
Madison, Wis. Prepared by the High School, Madison. University of Wisconsin, 1913-15.
- FEGLEY, BEULAH HELEN, . . . . . *Group, Mathematics and Physics*, 1914-16.  
Reading, Pa. Prepared by the High School for Girls, Reading, and by private tuition.
- FISHBEIN, DORA, . . . . . *Group, Mathematics and Psychology*, 1914-16.  
Philadelphia. Prepared by the Morris High School, New York City. Barnard College, 1913-14.
- FISKE, CORNELIA HORSFORD, . . . . . *Group*, ———, 1914-16.  
Boston, Mass. Prepared by the Misses May's School, Boston.
- FISKE, MARGARET GRACIE,  
*Group, Economics and Politics and* ———, 1915-16.  
Cambridge, Mass. Prepared by the Misses May's School, Boston, Mass.
- FLANAGAN, MARY GERTRUDE,  
*Group, Modern History and History of Art*, 1914-16.  
Newton, Mass. Prepared by Miss Cummings's School, Boston, and by the Misses Shipley's School, Bryn Mawr, Pa.
- FORDYCE, REBECCA WALTON,  
*Group, Economics and Politics and Psychology*, 1912-16.  
Youngstown, O. Prepared by the Yale Avenue Private School and by the Rayen School, Youngstown.



- FOSTER, MILDRED,  
*Group, Modern History and Economics and Politics*, 1913-16.  
 New York City. Prepared by the Central High School, Washington, D. C., by the Friends' School, Washington, and by the Staten Island Academy, Staten Island, N. Y.
- FRANCE, MARGARET VON TORNEY, ..... *Group*, ———, 1915-16.  
 Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- FRASER, LILIAN LORRAINE,  
*Group, Economics and Politics and Philosophy and Psychology*, 1914-16.  
 Rochester, Minn. Prepared by the High School, Rochester, by Pillsbury Academy, Owatonna, Minn., and by Albert Lea College, Albert Lea, Minn.
- FRAZIER, JULIA VERONICA,  
*Group, Modern History and Economics and Politics*, 1914-16.  
 New York City. Prepared by the Bryn Mawr School, Baltimore, Md., by private tuition and by Miss Chapin's School, New York City.
- FULLER, ELIZABETH DOUGLAS, ..... *Group*, ———, 1915-16.  
 New York City. Prepared by the High School, Durham, N. C., by Mary Institute, St. Louis, Mo., and by the Misses Shipley's School, Bryn Mawr, Pa.
- FULLER, FRANCES HIGGINSON, ..... *Group*, ———, 1915-16.  
 New York City. Prepared by Runkles Grammar School, Brookline, Mass., and by Miss Haskell's School, Boston, Mass.
- GAIL, NANNIE, ..... *Group, Psychology and Biology*, 1912-16.  
 Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- GARDINER, MARY SUMMERFIELD, ..... *Group*, ———, 1914-16.  
 Garden City, L. I. Prepared by the Cathedral School of St. Mary, Garden City.
- GARFIELD, LUCRETIA, ..... *Group, German and French*, 1912-16.  
 Williamstown, Mass. Prepared by St. Timothy's School, Catonsville, Md.
- GATLING, ROSALIND, ..... *Group*, ———, 1915-16.  
 New York City. Prepared by Briarcliff Manor, Briarcliff, N. Y., and by the Misses Kirk's School, Bryn Mawr, Pa.
- GEST, ANNETTE ELEANOR,  
*Group, English and Spanish and Italian*, 1914-16.  
 Trenton, N. J. Prepared by the State Model School, Trenton.
- GILMAN, MARGARET, ..... *Group*, ———, 1915-16.  
 Wellesley, Mass. Prepared by the Misses Allen's School, West Newton, Mass., and by Dana Hall, Wellesley.
- GLENN, MARY DOROTHY, ..... *Group, Latin and German*, 1913-16.  
 Johnstown, Pa. Prepared by the High School, Johnstown.
- GODLEY, CATHERINE SHERRED,  
*Group, French, Italian, and Spanish*, 1912-16.  
 Cincinnati, O. Prepared by the College Preparatory School for Girls, Cincinnati.
- GOODNOW, \* LOIS ROOT, ..... *Group, French and Spanish*, 1912-15.  
 New York City. Prepared by the Veltin School, New York City, by Rosemary Hall, Greenwich, Conn., and by private tuition.
- GRABAU, AGNES WELLS, ..... *Group, Latin and French*, 1912-16.  
 Saratoga Springs, N. Y. Prepared by the High School, Plattsburg, N. Y. Maria Hopper Sophomore Scholar, 1913-14.
- GRACE, JANET RANDOLPH, ..... *Group, Greek and Latin*, 1913-16.  
 New York City. Prepared by the Brearley School, New York City. Second Bryn Mawr Matriculation Scholar for New York, New Jersey and Delaware, 1913-14.

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\* Married, 1916, Mr. John Van Antwerp MacMurray.

- GRANGER, ELISABETH SHERMAN, *Group, English and Philosophy*, 1913-16.  
Philadelphia. Prepared by the Baldwin School, Bryn Mawr, Pa.
- GREENEWALD, JEANNETTE REEFER, *Group, German and French*, 1912-16.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Charles E. Ellis Scholar, 1912-16.
- GREENOUGH, BERTHA CLARK, . . . . .  
*Group, Economics and Politics and Philosophy*, 1913-16.  
Providence, R. I. Prepared by the Hope Street High School, Providence, and by Miss Wheeler's School, Providence.
- HALL, CONSTANCE SIDNEY, . . . . .*Group, Psychology and Biology*, 1913-16.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Bryn Mawr School Scholar, 1913-14; Maria Hopper Sophomore Scholar, 1914-15.
- HALL, DOROTHY PHILLIPS, . . . . .*Group*, ———, 1915-16.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- HALL, JANE, . . . . .*Group, English and* ———, 1915-16.  
Rye, N. Y. Prepared by the Ethical Culture School, New York City, and by Rye Seminary, Rye, N. Y.
- HALLE, MARION REBECCA, . . . . .*Group, English and Psychology*, 1913-16.  
Cleveland, O. Prepared by the Laurel School, Cleveland.
- HAMILTON, RUTH GERTRUDE, . . . . .*Group*, ———, 1915-16.  
Erie, Pa. Prepared by the High School, Erie, and by the Misses Shipley's School, Bryn Mawr, Pa.
- HAMMER, HELEN, . . . . .*Group*, ———, 1914-16.  
Pottstown, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa., and by private tuition.
- HARRIS, DOROTHY ELIZABETH, . . . . .  
*Group, English and Philosophy and Psychology*, 1914-16.  
Arden, N. C. Prepared by St. Mary's School, Peekskill, N. Y., and by the Misses Shipley's School, Bryn Mawr, Pa.
- HARRIS, HELEN MARIE, . . . . .*Group, Physics and Chemistry*, 1913-16.  
Philadelphia. Prepared by the Baldwin School, Bryn Mawr, Pa. Special Frances Marion Simpson Scholar, 1913-16.
- HARRIS, LUCY WEYGANDT, . . . . .*Group, French and Modern History*, 1913-16.  
Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia.
- HART, RUTH ELOISE, . . . . .*Group, French and Spanish*, 1914-16.  
Brooklyn, N. Y. Prepared by the Girls' High School, Brooklyn, and by private tuition.
- HASKELL, MARGARET KINGSLAND, . . . . .*Group, English and French*, 1912-16.  
Lincoln, Neb. Prepared by the Wolcott School, Denver, Colo.
- HAUPT, ISTAR ALIDA, . . . . .*Group, Psychology and Physics*, 1913-16.  
Roland Park, Md. Prepared by the Bryn Mawr School, Baltimore, Md.
- HAWKINS, MARY O'NEIL, . . . . .*Group, Philosophy and Psychology*, 1915-16.  
Denver, Colo. Prepared by Miss Wolcott's School, Denver, by Miss Wright's School, Bryn Mawr, Pa., and by private tuition.
- HAYMAN, CORNELIA, . . . . .*Group*, ———, 1915-16.  
Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia.
- HAYNES, THEODOSIA, . . . . .*Group*, ———, 1915-16.  
Longmeadow, Mass. Prepared by Dana Hall, Wellesley, Mass., and by the Misses Shipley's School, Bryn Mawr, Pa.
- HEARNE, GERTRUDE JAMES, . . . . .*Group*, ———, 1915-16.  
Wayne, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.
- HEISLER, LAURA MARY, . . . . .*Group, Latin and English*, 1914-16.  
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia.

- HEMENWAY, ELISABETH, . . . . . *Group, Latin and English, 1913-16*  
Windsor, Vt. Prepared by St. Agnes School, Albany, N. Y., and by Wykeham Rise,  
Washington, Conn.
- HEMENWAY, JUDITH MARTHA BASSETT, *Group, Latin and French, 1914-16*  
Windsor, Vt. Prepared by Wykeham Rise, Washington, Conn.
- HENDERSON, MARGARET ISELIN,  
*Group, Modern History and Economics and Politics, 1913-16*  
New York City. Prepared by Miss Chapin's School for Girls, New York City.
- HERING, DOROTHEA PAULINE THERESA,  
*Group, Chemistry and Biology, 1915-16.*  
Montclair, N. J. Prepared by the High School, Montclair.
- HEYDEMANN, CLARA WALLACE,  
*Group, German and Modern History, 1912-16.*  
St. Paul, Minn. Prepared by Mrs. Backus's School, St. Paul. Second Bryn Mawr  
Matriculation Scholar for the Western States, 1912-13; Special Scholar, 1913-14.
- HICKMAN, MARY LEE,  
*Group, Modern History and Economics and Politics, 1912-16*  
Glenview, Ky. Prepared by the Public Schools, Louisville, Ky., and by Miss Wright's  
School, Bryn Mawr, Pa.
- HICKMAN, REBECCA McDOEL,  
*Group, Modern History and History of Art, 1915-16.*  
Chicago, Ill. Prepared by the Chicago Latin School, and by Miss Wheeler's School,  
Providence, R. I.
- HILL, ELEANOR HOUSTON, . . . . . *Group, Latin and Philosophy, 1912-16.*  
Evanston, Ill. Prepared by the Evanston Township High School. Northwestern Uni-  
versity, 1911-12.
- HINDE, SARAH FENTON, . . . . . *Group, English and French, 1913-16.*  
Chicago, Ill. Prepared by the Chicago Latin School for Girls and by private tuition.
- HITCHCOCK, FLORENCE, . . . . *Group, German and Modern History, 1912-16.*  
Philadelphia. Prepared by the Misses Kirk's School, Bryn Mawr, Pa.
- HOBBS, HARRIET, . . . . . *Group, ———, 1914-16.*  
New York City. Prepared by the Wadleigh High School, New York City.
- HODGE, MARY ROBINSON, . . . *Group, Modern History and French, 1913-16.*  
Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia.
- HODGES, LOUISE FROST, . . . . . *Group, ———, 1914-16.*  
Washington, D. C. Prepared by the Holton Arms School, Washington and by Milton  
Academy, Milton, Mass.
- HOFF, MARGARET, . . . . . *Group, English and French, 1913-16.*  
New York City. Prepared by the Brearley School, New York City.
- HOLCOMBE, EUGENIA, . . . . . *Group, Physics and Chemistry, 1913-16.*  
Washington, D. C. Prepared by the Western High School, Washington, by Miss Walker's  
School, Lakewood, N. J., and by Miss Madeira's School, Washington.
- HOLLIDAY, ELIZABETH CRUFT, *Group, Spanish and History of Art, 1912-16.*  
Indianapolis, Ind. Prepared by Tudor Hall, Indianapolis, and by the Shortridge High  
School, Indianapolis.
- HOLLIDAY, KATHARINE AURELIA, . . . . . *Group, ———, 1914-16.*  
Indianapolis, Ind. Prepared by Tudor Hall, Indianapolis.
- HOLLIS, CLARA ELIZABETH, . . . . . *Group, ———, 1915-16.*  
Winnetka, Ill. Prepared by the Girtton School, Winnetka.

- HOLLIS, JANETTE RALSTON, *Group, French and Modern History*, 1913-16.  
Cambridge, Mass. Prepared by the Haskell-Dean School, Boston, Mass., by the Dwight School, Englewood, N. J., and by the Cambridge School, Cambridge. Second Bryn Mawr Matriculation Scholar for the New England States, 1913-14.
- HOLMES, HELEN BUCHANAN, *Group, French and Modern History*, 1912-16.  
Cincinnati, O. Prepared by the College Preparatory School, Cincinnati.
- HOLMES, JANET ALEXINA, ..... *Group*, ———, 1915-16.  
St. Louis, Mo. Prepared by Mary Institute, St. Louis.
- HOUGHTON, ELIZABETH, ..... *Group*, ———, 1914-15, 1916.  
Chestnut Hill, Mass. Prepared by Miss Winsor's School, Longwood, Mass., by Wykeham Rise, Washington, Conn., and by the Misses May's School, Boston, Mass. Radcliffe College, Semester I, 1915-16.
- HOWELL, CHARLOTTE TERESA, .... *Group, Chemistry and Biology*, 1914-16.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- HOWELL, FREDERICA BURCKLE, ..... *Group*, ———, 1915-16.  
Newark, N. J. Prepared by Oldfields, Glencoe, Md., and by the Misses Master's School, Dobbs Ferry, N. Y.
- HOWES, EDITH MARY, ..... *Group*, ———, 1915-16.  
Philadelphia. Prepared by the Girls' High School, West Philadelphia, and by private tuition. City Scholar, 1915-16.
- HUFF, HENRIETTA NORRIS, ..... *Group, Greek and Latin*, 1914-16.  
Williamsport, Pa. Prepared by the High School, Williamsport, and by the Misses Kirk's School, Bryn Mawr, Pa.
- HUNTING, HELEN ELIZABETH, ..... *Group*, ———, 1915-16.  
Minneapolis, Minn. Prepared by the Central High School, Minneapolis, and by private tuition.
- HURLOCK, ELIZABETH BERGNER, ..... *Group, Latin and* ———, 1915-16.  
Harrisburg, Pa. Prepared by the Seiler School, Harrisburg.
- HUSE, ELEANOR BAKER, *Group, French and Modern History*, 1911-15, 1916.  
Boston, Mass. Prepared by Rogers Hall, Lowell, Mass., by Miss Low's School, Stamford, Conn., and by the Misses Allen's School, West Newton, Mass. Radcliffe College, Semester I, 1915-16.
- IDDINGS, FLORENCE ELIZABETH,  
*Group, Modern History and Economics and Politics*, 1913-16.  
North Platte, Neb. Prepared by the High School, North Platte, and by the Misses Kirk's School, Bryn Mawr, Pa. Elizabeth Duane Gillespie Scholar in American History, 1915-16.
- IDDINGS, NANINE RAY, ..... *Group*, ———, 1915-16.  
North Platte, Neb. Prepared by the High School, North Platte. University of Nebraska, 1914-15.
- IREDALE, ADA MAY ELEANORA, . . *Hearer by Courtesy in English*, 1915-16.  
Rock Ferry, Cheshire, England. Cheltenham Ladies College, 1906-10. Stenographer to the Recording Dean, Bryn Mawr College, 1915-16.
- ISRAEL, JAMES MARION, .... *Group, Philosophy and Psychology*, 1914-16.  
Minneapolis, Minn. Prepared by the Central High School, Minneapolis.
- JACKSON, \* LAVINIA VAN VOORHIS,  
*Group, Greek and Latin*, 1902-04, 1914-16.  
Newark, N. J. Prepared by the Friends' School, Germantown, Philadelphia.
- JACOBS, MILDRED CLARK,  
*Group, Economics and Politics and Philosophy*, 1911-16.  
Philadelphia. Prepared by Miss Sayward's School, Overbrook, Philadelphia.

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\* Mrs. George Green Jackson.



JAMESON, JEANNETTA CHALMERS,

*Group, French and Modern History*, 1913-16

Brooklyn, N. Y. Prepared by the Packer Collegiate Institute, and by private tuition.

JANEWAY, MARGARET MCALLISTER, . . . . . *Group*, ———, 1915-16.

New York City. Prepared by Miss Chapin's School, New York City.

JEFFERIES, MARJORIE SHARPS, . . . *Group, Chemistry and Biology*, 1914-16.

Narberth, Pa. Prepared by the High School, Narberth.

JELLIFFE, SYLVIA CANFIELD, . . . . . *Group, French and Spanish*, 1913-16.

New York City. Prepared by the Ethical Culture School, New York City, and by study in France and Germany.

JOACHIM, REBECCA ELIZABETH, . . . . . *Group, Latin and German*, 1913-16.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1913-16; Mary E. Stevens Scholar, 1915-16.

JOHNSON, ADA FRANCES, . . . . . *Group, Mathematics and Physics*, 1913-16.

Red Wing, Minn. Prepared by the High School, Red Wing, and by the Lutheran Ladies Seminary, Red Wing.

JOHNSON, ESTHER, . . . . . *Group, Latin and Mathematics*, 1913-16.

Philadelphia. Prepared by the Girls' High School, Philadelphia. L. C. B. Saul Memorial Scholar, 1913-16.

JOHNSON, HÉLÈNE VENNUM, . . . . . *Group*, ———, 1915-16.

Racine, Wis. Prepared by Kemper Hall, Kenosha, Wis., and by Wykeham Rise, Washington, Conn.

JONES, GWLADYS WEBSTER,

*Group, Economics and Politics and Psychology*, 1910-13, 1914-16.

Ocean Grove, N. J. Prepared by the Neptune Township High School, Ocean Grove, by the High School, Asbury Park, and by private tuition.

JONES, HELEN PICKERING, . . . . . *Group, Mathematics and* ———, 1914-16.

Narberth, Pa. Prepared by the High School, Narberth, by the Gordon School, Philadelphia, and by private tuition.

JOPLING, CATHARINE HALLER, *Group, Mathematics and Physics*, 1913-16.

Willoughby, O. Prepared by the Laurel School, Cleveland, O.

KARNS, HELEN COREENE, . . . . . *Group*, ———, 1915-16.

Benton, Pa. Prepared by Wilkes Barre Institute, Wilkes Barre, Pa.

KAUFMANN, WINIFRED HOPE, . . . . . *Group*, ———, 1915-16.

Evanston, Ill. Prepared by the Township High School, Evanston.

KELLEN, CONSTANCE,

*Group, Modern History and Economics and Politics*, 1912-16.

Cohasset, Mass. Prepared by Miss Wright's School, Bryn Mawr, Pa.

KELLOGG, FREDRIKA MASON, . . . . . *Group, Chemistry and Biology*, 1912-16.

Waterbury, Conn. Prepared by St. Margaret's School, Waterbury and by Rosemary Hall, Greenwich, Conn.

KELLY, ESTHER WARNER,

*Group, Modern History and Economics and Politics*, 1912-16.

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

KENDIG, HILDEGARDE KING, *Group, Modern History and French*, 1913-16.

Waterloo, N. Y. Prepared by Miss Butts's School, Norwich, Conn., by the High School, Waterloo, and by the Misses Shipley's School, Bryn Mawr, Pa.

KERR, ALICE HALL, . . . . . *Group, Chemistry and Biology*, 1914-16.

Catonsville, Md. Prepared by St. Timothy's School, Catonsville.

KINSEY, JANE, . . . . . *Group, English and Philosophy*, 1913-16.

Germantown, O. Prepared by the High School, Germantown, by the Misses Shipley's School, Bryn Mawr, and by private tuition.

- KIRK, EDITH BUCKNER,  
*Group, Modern History and History of Art, 1912-16.*  
 Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- KLEIN, LARIE MAE,  
*Group, Modern History and Economics and Politics, 1912-16.*  
 Cincinnati, O. Prepared by the University School, Cincinnati.
- KLEPS, MARIAN CLEMENTINE, . . . . . *Group, Latin and English, 1912-16.*  
 Philadelphia. Prepared by the Girls' High School, Philadelphia, and by private tuition.  
 Trustees' Philadelphia Girls' High School Scholar, 1912-16; James E. Rhoads Sophomore and Special Scholar, 1913-14; Anna Hallowell Memorial Scholar, 1914-15; Maria L. Eastman Brooke Hall Memorial Scholar, 1915-16.
- KNEELAND, VIRGINIA, . . . . . *Group, Biology and ———, 1914-16.*  
 New York City. Prepared by the Brearley School, New York City. Bryn Mawr Matriculation Scholar for New York, New Jersey and Delaware, 1914-15.
- KRANTZ, MARGUERITE BERTA ELSE, . . . . . *Group, ———, 1915-16.*  
 Brooklyn, N. Y. Prepared by the Packer Collegiate Institute, Brooklyn.
- KUHN, DOROTHY CAROLINE,  
*Group, Modern History and Economics and Politics, 1914-16.*  
 Cincinnati, O. Prepared by the University School, Cincinnati.
- LAFFERTY, MABEL, . . . . . *Group, Latin and English, 1915-16.*  
 Philadelphia. Prepared by the Girls' High School, Philadelphia. City Scholar, 1915-16.
- LANDON, ADELAIDE, . . . . . *Group, ———, 1915-16.*  
 Staatsburg on Hudson, N. Y. Prepared by Miss A. J. G. Perkins, New York City and by Miss Chapin's School, New York City.
- LANIER, ELIZABETH DAY,  
*Group, Economics and Politics and ———, 1915-16.*  
 Greenwich, Conn. Prepared by Rosemary Hall, Greenwich.
- LAUTZ, RUTH ELLA, . . . . . *Group, Mathematics and Biology, 1912-16.*  
 Pekin, Ill. Prepared by the High School, Pekin, and by the Misses Shipley's School, Bryn Mawr, Pa.
- LEE, ANNA CAROLINE, . . . . . *Group, Latin and English, 1912-16.*  
 Philadelphia. Prepared by the Girls' High School, Philadelphia, and by private tuition.  
 City Scholar, 1912-16.
- LEVY, RUTH JULIETTE, . . . . . *Group, Psychology and Biology, 1913-16.*  
 Pittsburgh, Pa. Prepared by the High School, Pittsburgh.
- LINDLEY, ELEANOR, . . . . . *Group, French and Italian, 1914-16.*  
 Minneapolis, Minn. Prepared by the Central High School, Minneapolis, by private tuition, and by private study in France and Germany.
- LITCHFIELD, VIRGINIA DE STEIGNER,  
*Group, Modern History and History of Art, 1913-16.*  
 Brookline, Mass. Prepared by Miss Cummings's School, Boston, and by the Winsor School, Longwood, Mass.
- LIVINGSTON, GLADYS BLOSSOM, . . . . . *Group, French and ———, 1915-16.*  
 Philadelphia. Prepared by the Friends' Central School, Philadelphia. Wellesley College, 1914-15.
- LOEB, IRENE, . . . . . *Group, Latin and English, 1914-16.*  
 St. Louis, Mo. Prepared by Mary Institute, St. Louis.
- LOEB, MATHILDE HARRIET, *Group, French and Modern History, 1913-16.*  
 Philadelphia. Prepared by the Friends' Central School, Philadelphia.
- LOUDON, MARGARET LOUISE, . . . . . *Group, English and Italian, 1912-16.*  
 Philadelphia. Prepared by the Girls' High School, Philadelphia. City Scholar, 1912-16.

- LUBAR, ANNA ETHEL, ..... *Group, English and German*, 1914-16.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. City Scholar, 1914-16.
- LUBAR, MARIE AGATHE, ..... *Group, English and German*, 1915-16.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1915-16.
- LYNCH, EUGENIE MARGARET, .... *Group, Latin and Mathematics*, 1914-16.  
Devon, Pa. Prepared by the Tredyffrin-Easttown High School, Berwyn, Pa., and by private tuition.
- MACDONALD, DOROTHY, ..... *Group, Latin and Mathematics*, 1913-14.  
Ardmore, Pa. Prepared by the Lower Merion High School, Ardmore. Second Matriculation Scholar for Pennsylvania and Southern States, 1913-14, and Frances Marion Simpson Scholar, 1913-16.
- MACDONALD, ENID SCHURMAN, ..... *Group, ———*, 1915-16.  
Vancouver, B. C. Prepared by the King Edward High School, Vancouver, and by the Broadway High School, Seattle, Wash.
- DE MACEDO, VIRGINIA, ..... *Group, German and Spanish*, 1912-16.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Special Scholar, 1913-14.
- MACKENZIE, MARJORIE TAYLOR, ..... *Group, French and History of Art*, 1914-16.  
Halifax, N. S. Prepared by the Horace Mann School, New York City, by the Halifax Ladies College, and by Miss Lander's School, Indianapolis, Ind.
- MACMASTER, AMELIA KELLOGG, ..... *Group, English and Psychology*, 1912, 1913-16.  
Elizabeth, N. J. Prepared by the Batin High School, Elizabeth, and by private tuition. Kindergarten Teacher, Newark, N. J., 1905-11, 1912-13. Thomas H. Powers Memorial Scholar, 1914-16.
- MACRUM, EDITH, ..... *Group, Mathematics and Physics*, 1915-16.  
Oakmont, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- MALL, MARGARET, ..... *Group, Physics and Biology*, 1914-16.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- MALONE, GERTRUDE EVELYN MARIE, *Group, English and French*, 1913-16.  
Washington, D. C. Prepared by the High School, Leavenworth, Kan., by Deerfield Township High School, Highland Park, Ill., and by the Western High School, Washington.
- MARQUAND, ELEANOR, ..... *Group, ———*, 1915-16.  
Princeton, N. J. Prepared by Miss Fine's School, Princeton. Bryn Mawr Matriculation Scholar for New York, New Jersey and Delaware, 1915-16.
- MARSHALL, ADELINE GIBSON, ..... *Hearer in Greek, English, French, German and Philosophy*, 1914-16.  
Philadelphia. Prepared by Miss Irwin's School and by private tuition.
- MARTIN, MARJORIE, ..... *Group, ———*, 1915-16.  
Cambridge, Mass. Prepared by the Buckingham School, Cambridge, and by Miss Haskell's School, Boston, Mass.
- MATZ, EMILY FLORENCE, ..... *Group, ———*, 1915-16.  
Hubbard Woods, Ill. Prepared by the Girton School, Winnetka, Ill., and by Miss Wright's School, Bryn Mawr, Pa.
- MAXWELL, HELEN DOROTHY, ..... *Group, ———*, 1912-13, 1914-16.  
Omaha, Neb. Prepared by the High School, Narberth, Pa.
- MCCAY, MILDRED BUCKNER, ..... *Group, English and French*, 1912-16.  
Roland Park, Md. Prepared by the Bryn Mawr School, Baltimore, Md.
- MCCOLIN, KATHARINE WILLIAMS, ..... *Group, Philosophy and Psychology*, 1911-16.  
Philadelphia. Prepared by Miss Wright's School, Bryn Mawr, Pa.



- McFADEN, NATALIE FRIEND, . . . . . *Group, English and Psychology*, 1913-16.  
Richmond, Va. Prepared by Miss Campbell's School, Richmond, and by the Randolph-Ellett School, Richmond.
- McKEEFREY, CHLOE SPEARMAN, . . . . . *Group, Latin and French*, 1912-16.  
Leetonia, O. Prepared by the Baldwin School, Bryn Mawr, Pa.
- McMILLAN, GLADYS, . . . . . *Group, Mathematics and Physics*, 1913-16.  
Pensacola, Fla. Prepared by the Classical School, Pensacola, by the Agnes Scott College, Decatur, Ga., and by the Misses Kirk's School, Bryn Mawr, Pa.
- MEBANE, JESSIE, . . . . . *Group, ———*, 1914-16.  
Wilkes Barre, Pa. Prepared by the Wilkes Barre Institute and by private tuition. James E. Rhoads Sophomore Scholar, 1915-16.
- MENDINHALL, CORINNE COCHRAN, . . . . . *Group, ———*, 1915-16.  
Wilmington, Del. Prepared by the Misses Hebb's School, Wilmington.
- MERCER, ERNESTINE EMMA, . . . . . *Group, Latin and English*, 1915-16.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Bryn Mawr Matriculation Scholar for Pennsylvania and the Southern States and Trustees' Philadelphia Girls' High School Scholar, 1915-16.
- MERCK, ELSBETH JEANNE, . . . . . *Group, ———*, 1914-16.  
West Orange, N. J. Prepared by the Dearborn-Morgan School and by private tuition.
- MILNE, MARJORIE JOSEPHINE, . . . . . *Group, Greek and Latin*, 1913-16.  
Duluth, Minn. Prepared by the High School, Duluth, and by private tuition. First Bryn Mawr Matriculation Scholar for the Western States, 1913-14.
- MOORE, ANGELA TURNER, . . . . . *Group, ———*, 1915-16.  
New York City. Prepared by St. Timothy's School, Catonsville, Md.
- MOORES, EMILY BISHOP,  
*Group, Economics and Politics and ———*, 1915-16.  
Indianapolis, Ind. Prepared by the Shortridge High School, Indianapolis.
- MORGAN, VERA, . . . . . *Group, French and Italian*, 1915-16.  
New York City. Prepared by St. Timothy's School, Catonsville, Md.
- MORTON, SARAH WISTAR, . . . . . *Group, Greek and English*, 1914-16.  
Philadelphia. Prepared by the Stevens School, Germantown, Philadelphia, by Mrs. Chapman and Miss Jones's School, Chestnut Hill, and by the Agnes Irwin School, Philadelphia.
- MOSELEY, MARION RENWICK, . . . . . *Group, ———*, 1915-16.  
Highland Park, Ill. Prepared by the University School for Girls, Chicago, Ill.
- MOSES, GEORGETTE OMEGA, . . . . . *Group, French and Spanish*, 1912-16.  
Mt. Vernon, N. Y. Prepared by the High School, Mt. Vernon, and by private tuition. Chicago Bryn Mawr Club Scholar, 1915-16.
- NEELY, CORA SNOWDEN, . . . . . *Group, Latin and French*, 1914-16.  
Philadelphia. Prepared by the Stevens School, Germantown, Philadelphia.
- NEWLIN, ALICE HARRISON, . . . . . *Group, ———*, 1914-16.  
Whitford, Pa. Prepared by Miss Wright's School, Bryn Mawr, Pa.
- O'CONNOR, MARIAN, . . . . . *Group, English and ———*, 1914-16.  
Brookline, Mass. Prepared by the High School, Brookline.
- OPPENHEIMER, CELIA, . . . . . *Group, ———*, 1915-16.  
Washington, D. C. Prepared by the Central High School and by Miss Madeira's School, Washington.
- O'SHEA, MONICA BARRY, . . . . . *Group, English and Psychology*, 1913-16.  
Brookline, Mass. Prepared by the High School, Brookline, and by Miss Cummings's School, Boston, Mass.
- OUTERBRIDGE, KATHLEEN LOUISE NORTON, . . . . . *Group, ———*, 1915-16.  
New York City. Prepared by Miss Chapin's School for Girls, New York City.



- PACKARD, DOROTHY, ..... *Group, Economics and Politics and Psychology*, 1912-16.  
Chicago, Ill. Prepared by the Francis W. Parker School, Chicago. University of Chicago,  
1911-12.
- PAULING, MARIE JANET, ..... *Group, English and French*, 1913-16.  
Chicago, Ill. Prepared by the Latin School for Girls, Chicago.
- PEABODY, JEANNETTE FÉLICIE, ..... *Group*, ———, 1915-16.  
Cambridge, Mass. Prepared by the Buckingham School, Cambridge, and by Miss Has-  
kell's School, Boston, Mass.
- PEACOCK, MILDRED LEHMAN, ..... *Group*, ———, 1915-16.  
Chicago, Ill. Prepared by Rosemary Hall, Greenwich, Conn., and by the Misses Kirk's  
School, Bryn Mawr, Pa.
- PEARSON, LAURA HILDRETH, ..... *Group, Greek and Spanish*, 1914-16.  
Lowell, Mass. Prepared by the High School, Lowell, and by the Rogers Hall School, Lowell.  
Bryn Mawr Matriculation Scholar for the New England States, 1914-15.
- PERKINS, WINIFRED STORIES, ..... *Group*, ———, 1915-16.  
New York City. Prepared by St. Margaret's School, Waterbury, Conn., by Rosemary  
Hall, Greenwich, Conn., and by the Veltin School, New York City.
- PERSHING, 2ND, ELIZABETH HELFENSTEIN, ..... *Group, French and* ———, 1914-16.  
Pineville, Pa. Prepared by the Friends' School, Germantown, Philadelphia, and by private  
tuition.
- PETERS, DOROTHY ALICE, ..... *Group*, ———, 1915-16.  
Columbus, O. Prepared by the Columbus School for Girls, Columbus.
- PETERS, LUCRETIA MCCLURE, ..... *Group*, ———, 1915-16.  
New York City. Prepared by the Misses Rayson's School, New York City.
- POMEROY, VIRGINIA SHERMAN, ..... *Group*, ———, 1914-16.  
Minneapolis, Minn. Prepared by Stanley Hall, Minneapolis, by the West High School,  
Minneapolis, and by Rosemary Hall, Greenwich, Conn.
- PORTER, ELIZABETH LANE, *Group, Greek and Psychology*, 1910-12, 1914-16.  
Fort Wayne, Ind. Prepared by the High School, Fort Wayne, and by private tuition.
- PRESCOTT, HELEN, ..... *Group, Economics and Politics and Philosophy and Psychology*, 1915-16.  
Jamaica Plain, Mass. Prepared by Miss Woodward's School, Boston, Mass., and by  
Mrs. von Mach's School, Boston, and by private tuition.
- PUGH, ESTHER CLEMENT, ..... *Group, Modern History and French*, 1911-16.  
Overbrook, Philadelphia. Prepared by the Agnes Irwin School, Philadelphia, and by Rose-  
mary Hall, Greenwich, Conn.
- QUIMBY, HESTER AGNES, ..... *Group*, ———, 1914-16.  
Philadelphia. Prepared by the Girls' High School, Philadelphia.
- RAMSAY, MARY MORRIS, ..... *Group, Modern History and* ———, 1915-16.  
Wilmington, Del. Prepared by the Misses Hebbs' School, Wilmington.
- RAY, ROBERTA MARIE, ..... *Group, German and* ———, 1915-16.  
Allison, Ia. Prepared by the High School, Allison, and by St. Katharine's School, Daven-  
port, Ia.
- REEVES,\* KATHARINE, ..... *Group, Latin and Ancient History*, 1915-16.  
Philadelphia. Prepared by the Girls' High School, West Philadelphia. Charles E. Ellis  
Scholar, 1915-16.
- REID, HELEN, ..... *Group, French and* ———, 1915-16.  
Norfolk, Va. Prepared by St. George's School, Norfolk, Va., and by St. Timothy's  
School, Catonsville, Md.

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\* Died, March 14, 1916.

- REILLY, ANNA AGNES,.....*Group*, ———, 1915-16.  
Rosemont, Pa. Prepared by the Lower Merion High School, Ardmore, Pa. Lower Merion High School Scholar, 1915-16.
- REINHARDT, REBECCA,.....*Group, Modern History and* ———, 1915-16.  
Wilmington, Del. Prepared by the Misses Hebbs' School, Wilmington.
- REMINGTON, MARJORIE,.....*Group*, ———, 1915-16.  
New York City. Prepared by the Veltin School, New York City.
- REYMERSHOFFER, GERTRUDE,.....*Group*, ———, 1914-16.  
Galveston, Tex. Prepared by the Ball High School, Galveston.
- RHOADS, MARGARET WHITALL,.....*Group*, ———, 1915-16.  
Philadelphia. Prepared by the Friends' School, Germantown, and by the Westtown Boarding School, Westtown, Pa.
- RHOADS, MARIAN,.....*Group, Latin and English*, 1913-16.  
Reading, Pa. Prepared by the High School, Reading.
- RHOADS, REBECCA GARRETT,.....*Group*, ———, 1914-16.  
Wilmington, Del. Prepared by the Westtown Boarding School, Westtown, Pa., by the Misses Hebb's School, Wilmington, and by private tuition.
- RHOADS, RUTH ELY,  
*Group, Modern History and Economics and Politics*, 1914-16.  
Germantown, Philadelphia. Prepared by the Westtown Boarding School, Westtown, Pa., and by the Friends' School, Germantown.
- RICHARDS, AMELIA,.....*Group, Latin and Italian*, 1914-15.  
Boston, Mass. Prepared by Miss Haskell and Miss Dean's School, Boston, and by the Winsor School, Longwood, Mass.
- RICHARDS, RUTH OLIVE,  
*Group, Modern History and Economics and Politics*, 1913-14, 1915-16.  
Bridgeport, N. J. Prepared by the High School, Woodbury, N. J., and by private tuition. Barnard College, 1914-15.
- RICHARDSON, LESLIE,.....*Group*, ———, 1914-16.  
Cambridge, Mass. Prepared by the Misses May's School, Boston, Mass.
- RICHMOND, FRANCES COOPER,.....*Group, French and Italian*, 1914-16.  
Schenectady, N. Y. Prepared by the Academy for Girls, Albany, N. Y., and by St. Timothy's School, Catonsville, Md. Bryn Mawr Matriculation Scholar for Pennsylvania and the Southern States, 1914-15.
- RIDLON, JEANNETTE,.....*Group, Philosophy and Psychology*, 1914-16.  
Chicago, Ill. Prepared by the High School, Evanston, Ill., by the University School for Girls, Chicago, and by the Misses Shipley's School, Bryn Mawr, Pa.
- RIEGEL, HELEN,.....*Group, French and Modern History*, 1912-16.  
Riegelsville, Pa. Prepared by the Misses Rayson's School, New York City.
- ROBB, WINIFRED LISPENARD,.....*Group*, ———, 1915-16.  
Troy, N. Y. Prepared by the Emma Willard School, Troy, and by the Misses Masters' School, Dobbs Ferry, N. Y.
- ROBERTSON, HELEN CALDER, *Group, French and Modern History*, 1912-16.  
Providence, R. I. Prepared by Miss Wheeler's School, Providence. Second (equal) Bryn Mawr Matriculation Scholar for the New England States, 1912-13.
- RONDINELLA, EDITH,.....*Group, French and* ———, 1915-16.  
Philadelphia. Prepared by the Gordon School, Philadelphia.
- ROSENBERG, ELLA MARY,.....*Group*, ———, 1914-16.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Mary Anna Longstreth Scholar, 1914-15; City Scholar, 1914-16; Maria Hopper Sophomore Scholar, 1915-16.
- ROSS, JOANNA PUGH,  
*Group, Modern History and Economics and Politics*, 1912-16.  
Norristown, Pa. Prepared by the Friends' Central School, Philadelphia.

- RUBELMAN, ALICE DOROTHY, *Group, History of Art and ———*, 1915-16.  
Forest Ridge, Mo. Prepared by Mary Institute, St. Louis, Mo.
- RUPERT, MARY SWIFT, . . . . . *Group, ———*, 1914-16.  
Marshallton, Del. Prepared by the Misses Hebb's School, Wilmington, Del.
- RUSSELL, EMILY CRANE, . . . *Group, Spanish and History of Art*, 1913-16.  
Lake Forest, Ill. Prepared by the Girton School, Winnetka, Ill.
- RUSSELL, MARGARET, . . . . . *Group, Physics and Psychology*, 1912-16.  
Plymouth, Mass. Prepared by the High School, Plymouth, and by Milton Academy, Milton, Mass.
- ST. JOHN, FRANCES ARCADIA, . . . . . *Group, ———*, 1915-16.  
Philadelphia. Prepared by the Girls' High School, Philadelphia, and by the Misses Kirk's School, Bryn Mawr, Pa.
- SANBORN, AMELIA GERTRUDE, . . . . . *Group, ———*, 1915-16.  
Indianapolis, Ind. Prepared by the Shortridge High School, Indianapolis.
- SANDISON, LOIS ESTABROOK, . . . . . *Group, Latin and English*, 1912-16.  
Terre Haute, Ind. Prepared by the Indiana Normal High School, Terre Haute, by the Girls' High School, Oxford, England, and by the Willard School, Berlin, Germany.  
First Bryn Mawr Matriculation Scholar for Pennsylvania and Southern States, 1912-13.
- SATO, RYU, . . . . . *Group, Physics and Chemistry*, 1913-16.  
Tokyo, Japan. Prepared by the Misses Shipley's School, Bryn Mawr, Pa. Foundation Scholar, 1913-16; First Bryn Mawr Matriculation Scholar for Pennsylvania and Southern States, 1913-14; Maria Hopper Sophomore Scholar, 1914-15; Anna Hallowell Memorial Scholar, 1915-16.
- SCATTERGOOD, MARGERY, . . . . . *Group, Modern History and Economics and Politics*, 1913-16.  
Philadelphia. Prepared by the Westtown Boarding School, Westtown, Pa., and by the Misses Kirk's School, Bryn Mawr, Pa.
- SCHWARZ, HELEN CATHERINE, . . . . . *Group, Modern History and ———*, 1914-16.  
Greenwich, Conn. Prepared by Rosemary Hall, Greenwich.
- SCOTT, MARY, *Group, Modern History and Economics and Politics*, 1915-16.  
Philadelphia. Prepared by the Girls' High School, West Philadelphia.
- SCOTT, MARY WINGFIELD, . . . . . *Group, ———*, 1914-16.  
Richmond, Va. Prepared by Miss Ellett's School, Richmond, and by St. Timothy's School, Catonsville, Md.
- SEARS, ANNA, . . . . . *Group, Latin and French*, 1912-16.  
Framingham, Mass. Prepared by the High School, Framingham, by Rosemary Hall, Greenwich, Conn., and by private tuition. First Bryn Mawr Matriculation Scholar for New England States, 1912-13.
- SEELYE, ELIZABETH WHITACRE, . . . . . *Group, Economics and Politics and Psychology*, 1913-16.  
Willoughby, O. Prepared by the High School, Tarrytown, N. Y., and by the Laurel School, Cleveland, O.
- SHAFFER, ADELAIDE WALLACE, . . . . . *Group, Modern History and Economics and Politics*, 1914-16.  
Knoxville, Tenn. Prepared by the Misses Masters' School, Dobbs Ferry, N. Y., by Wallcourt, Aurora, N. Y., and by the Misses Kirk's School, Bryn Mawr, Pa.
- SHARPLESS, KATHARINE TRUMAN, . . . . . *Group, French and Modern History*, 1914-16.  
Haverford, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa., and by the Westtown Boarding School, Westtown, Pa. Foundation Scholar, 1914-16.
- SHIPLEY, AGNES DOROTHY, . . . . . *Group, Modern History and History of Art*, 1913-16.  
Philadelphia. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.



- SHOWELL, ADELINE OGDEN,.....*Group, English and ———*, 1914-16.  
Springfield, O. Prepared by the New High School, Springfield.
- SMITH, AGNES PICKETT,.....*Group, Mathematics and Physics*, 1912-16.  
Winchester, Va. Prepared by Stuart Hall, Staunton, Va., and by private tuition. Mary E. Stevens Scholar, 1914-15; Austin Hull Norris Memorial Scholar, 1915-16.
- SMITH, EDITH MARION,.....*Group, Greek and Latin*, 1914-16.  
Pittsburgh, Pa. Prepared by the High School, Peoria, Ill., and by the Bradley Institute, Peoria.
- SMITH, LOUISE TUNSTALL,.....*Group, Greek and Latin*, 1914-16.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Bryn Mawr School Scholar, 1914-15; Maria Hopper Sophomore Scholar, 1915-16.
- SMITH, MARGERY VIOLET,.....*Group, English and ———*, 1914-16.  
Omaha, Neb. Prepared by Brownell Hall, Omaha.
- SMITH, THALIA HOWARD,.....*Group, Philosophy and Psychology*, 1913-16.  
New York City. Prepared by the Hawthorne School, New York City. First Bryn Mawr Matriculation Scholar for New York, New Jersey and Delaware, 1912-13; James E. Rhoads Sophomore Scholar, 1914-15; James E. Rhoads Junior Scholar, 1915-16.
- SNAVELY, ALICE MIRIAM,.....*Group, English and Philosophy*, 1915-16.  
Philadelphia. Prepared by the Girls' High School, West Philadelphia. City Scholar, 1915-16.
- SORCHAN, LOUISA BEATRICE,.....*Group, ———*, 1915-16.  
New York City. Prepared by Miss Chapin's School, New York City.
- SPALDING, HELEN ELIZABETH,.....*Group, ———*, 1915-16.  
Detroit, Mich. Prepared by the Liggett School, Detroit.
- STAIR, MARY KEESEY,.....*Group, ———*, 1914-16.  
York, Pa. Prepared by private tuition and by Miss Wright's School, Bryn Mawr, Pa.
- STAMBAUGH, MARGARET HENRY,.....*Group, ———*, 1915-16.  
Harrisburg, Pa. Prepared by the High School, Harrisburg.
- STARK, ELIZABETH KLINE,.....*Group, Psychology and Physics*, 1912-16.  
Rochester, N. Y. Prepared by the DeLancey School, Geneva, N. Y., by Miss Hake's School, Rochester, and by the Columbia Preparatory School, Rochester.
- STEVENS, CAROLINE,.....*Group, Chemistry and Biology*, 1913-16.  
North Andover, Mass. Prepared by the Winsor School, Longwood, Mass.
- STILES, ANNETTE,.....*Group, Modern History and ———*, 1915-16.  
Fitchburg, Mass. Prepared by the High School, Fitchburg, and by the Misses Shipley's School, Bryn Mawr, Pa.
- STRAUSS, EMILIE THERESE,..*Group, French and Modern History*, 1912-16.  
Wilkes Barre, Pa. Prepared by the Wilkes Barre Institute.
- STRAUSS, MARJORIE LORD,.....*Group, Chemistry and Biology*, 1914-16.  
New York City. Prepared by the Horace Mann School, New York City.
- TAPPAN, HELEN,.....*Group, ———*, 1915-16.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- TATTERSFIELD, OLGA,.....*Group, French and Modern History*, 1913-16.  
Philadelphia. Prepared by Miss Hills's School, Philadelphia, and by the Stevens School, Germantown, Philadelphia.
- TAUSSIG, CATHARINE CROMBIE,.....*Group, ———*, 1915-16.  
Cambridge, Mass. Prepared by the Cambridge School, Cambridge.
- TAYLOR, SARAH COLE,.....*Group, Chemistry and ———*, 1915-16.  
Morganton, N. C. Prepared by Miss Shipp, Hendersonville, N. C., and by the Misses Shipley's School, Bryn Mawr, Pa.



- TELLER, FANNIE ESPEN,.....*Group, French and History of Art*, 1913-16.  
Philadelphia. Prepared by the Friends' Central School, Philadelphia.
- THOMPSON, MARGARET,  
*Group, Modern History and Economics and Politics*, 1913-16.  
Lake Forest, Ill. Prepared by Rosemary Hall, Greenwich, Conn.
- THORNDIKE, ANNA,.....*Group*, ———, 1915-16.  
Boston, Mass. Prepared by the Misses May's School, Boston. Bryn Mawr Matriculation  
Scholar for the New England States, 1915-16.
- THURMAN, MARY LEE,.....*Group*, ———, 1915-16.  
Columbus, O. Prepared by the Columbus School for Girls, Columbus.
- TIMPSON, MARGARET CATHERINE,.....*Group*, ———, 1914-16.  
New York City. Prepared by Miss Spence's School, New York City.
- TINKER, ELIZABETH HELEN,.....*Group, Latin and English*, 1912-16.  
Cumberland, Md. Prepared by the Allegany County Academy, Cumberland.
- TURLE, PENELOPE,.....*Group, Modern History and* ———, 1914-16.  
Duluth, Minn. Prepared by the High School, Duluth, by private tuition, Lausanne,  
Switzerland, and by Rosemary Hall, Greenwich, Conn.
- TURRISH, VIVIAN CORDELIA,  
*Group, Modern History and Economics and Politics*, 1915-16.  
Duluth, Minn. Prepared by Rosemary Hall, Greenwich, Conn., and by the Misses Kirk's  
School, Bryn Mawr, Pa.
- TUTTLE, MARION,.....*Group, Latin and English*, 1913-16.  
Rockaway, N. J. Prepared by the High School, Rockaway, and by private tuition.
- TYLER, KATHARINE DOUGLAS,.....*Group*, ———, 1915-16.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- TYLER, MARY ETHELYN,.....*Group*, ———, 1915-16.  
Philadelphia. Prepared by the Wissahickon Heights School, St. Martins, Philadelphia.
- TYSON, HELEN EDITH,.....*Group, German and Spanish*, 1912-16.  
New York City. Prepared by the Hawthorne School, New York City.
- VAN HISE, ALICE RING,.....*Group*, ———, 1915-16.  
Madison, Wis. Prepared by the Ward School, Madison, and by the Wisconsin High  
School, Madison. University of Wisconsin, 1914-15.
- VAN HORN, ALICE ELLISON,.....*Group, French and Spanish*, 1912-16.  
Scarsdale, N. Y. Prepared by the Lockwood Collegiate School, Scarsdale.
- WALKER, HELEN EDWARD,.....*Group*, ———, 1914-16.  
Chicago, Ill. Prepared by Kenwood Institute, Chicago, and by the Loring School, Chicago.
- WALTON, DOROTHEA WETHERILL,.....*Group*, ———, 1915-16.  
Hartsdale, N. Y. Prepared by the Roger Ascham School, Scarsdale, N. Y.
- WARNER, AMELIA,.....*Group*, ———, 1915-16.  
North Randall, O. Prepared by the Laurel School, Cleveland, O.
- WASHBURN, ELIZABETH POPE,  
*Group, Modern History and History of Art*, 1912-16.  
Minneapolis, Minn. Prepared by Stanley Hall, Minneapolis.
- WATRISS, MARTHA,.....*Group*, ———, 1915-16.  
New York City. Prepared by Miss Chapin's School, New York City, and by Rosemary  
Hall, Greenwich, Conn.
- WERNER, ADELINE AGNES,  
*Group, Economics and Politics and Psychology*, 1912-16.  
Columbus, O. Prepared by the Columbus School for Girls, Columbus. First Bryn Mawr  
Matriculation Scholar for the Western States, 1912-13.

- WESTLING, CHARLOTTE HANNAH,  
*Group, German and Italian and Spanish*, 1913-16.  
 Philadelphia. Prepared by the Girls' High School, Philadelphia.
- WHEELER, RUTH WADSWORTH,.....*Group, Greek and Latin*, 1915-16.  
 Bryn Mawr, Pa. Prepared by the Baldwin School, Bryn Mawr.
- WHITCOMB, HELEN,.....*Group, Modern History and History of Art*, 1914-16.  
 Brookline, Mass. Prepared by Miss Haskell and Miss Dean's School, Boston, Mass.
- WHITTIER, ISABEL MARY SKOLFIELD,.....*Group, ———*, 1915-16.  
 Brunswick, Me. Prepared by the High School, Brunswick.
- WILCOX, CONSTANCE HUNTINGTON GRENELLE,  
*Group, French and Modern History*, 1913-16.  
 Madison, Conn. Prepared by the Ethical Culture School, New York City, and by the Veltin School, New York City.
- WILDMAN, ANNA SNOWDEN,  
*Group, Modern History and Economics and Politics*, 1913-16.  
 Leesburg, Va. Prepared by the Thurston-Gleim School, Pittsburgh, Pa.
- WILLARD, MILDRED MCCREARY, *Group, English and Psychology*, 1913-16.  
 Merion, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- WILLETT, MARTHA WINSLOW,.....*Group, English and French*, 1913-16.  
 Norwood, Mass. Prepared by the High School, Norwood, and by the Winsor School, Longwood, Mass.
- WILLIAMS, MARJORIE TRUEHEART,.....*Group, ———*, 1914-16.  
 Galveston, Tex. Prepared by the Ball High School, Galveston, and by the Misses Shipley's School, Bryn Mawr, Pa.
- WILSON, EDITH STEDMAN,....*Group, Latin and Ancient History*, 1912-16.  
 Chapel Hill, N. C. Prepared by the Bryn Mawr School, Baltimore, Md.
- WILSON, FLORENCE LUCILE,.....*Group, English and ———*, 1915-16.  
 Pittsburgh, Pa. Prepared by the Allegheny High School, Pittsburgh. Pennsylvania College for Women, 1912-13; University of Michigan, 1913-14, 1914-15, Semester I.
- WILSON, HELEN MOSEMAN,.....*Group, French and ———*, 1914-16.  
 Grand Rapids, Mich. Prepared by the Central High School, Grand Rapids, and by private tuition.
- WOOD, LOUISE HOLABIRD,.....*Group, ———*, 1915-16.  
 Winnetka, Ill. Prepared by the Girton School, Winnetka.
- WOODBURY, ELIZA GORDON,.....*Group, ———*, 1915-16.  
 Manchester, N. H. Prepared by Bradford Academy, Bradford, Mass.
- WOODRUFF, RUTH JACKSON,.....*Group, ———*, 1915-16.  
 Scranton, Pa. Prepared by the Central High School, Scranton.
- WORCESTER, CONSTANCE RULISON,.....*Group, ———*, 1915-16.  
 Boston, Mass. Prepared by the Winsor School, Longwood, Mass.
- WORCH, MARGARET,.....*Group, ———*, 1914-16.  
 Providence, R. I. Prepared by Miss Wheeler's School, Providence.
- WORLEY, MARY CELINDA,  
*Group, Modern History and Economics and Politics*, 1913-16.  
 Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- WORTHINGTON, LILLA,  
*Group, Economics and Politics and Psychology*, 1912-16.  
 Birmingham, Ala. Prepared by the Fairmount School, Monteagle, Tenn., and by private tuition.

WRIGHT, JEAN GRAY,.....Group, ———, 1915-16.  
Lincoln University, Pa. Prepared by private tuition.

YOST, MARGARET JANE,  
Group, *Modern History and History of Art*, 1911-16.  
Braddock, Pa. Prepared by the Thurston-Gleim School, Pittsburgh, Pa., and by private  
tuition.

ZIMMERMAN, HELEN BURN,.....Group, *Latin and Mathematics*, 1913-16  
Eberly's Mill, Pa. Prepared by the Seiler School, Harrisburg, Pa., and by private study.  
Special Scholar, 1915-16.

### SUMMARY OF STUDENTS.

|                            |     |     |
|----------------------------|-----|-----|
| Class of 1916,.....        | 73  |     |
| Class of 1917,.....        | 81  |     |
| Class of 1918,.....        | 87  |     |
| Class of 1919,.....        | 124 |     |
| Hearers,.....              | 2   |     |
|                            | —   | 367 |
| Resident Fellows,.....     | 11  |     |
| Graduates,.....            | 75  |     |
|                            |     | 86  |
| Non-Resident Fellows,..... |     | 2   |
|                            |     | —   |
| Total,.....                |     | 455 |

## BRYN MAWR COLLEGE.

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BRYN MAWR COLLEGE was founded by Dr. Joseph W. Taylor, *Introductory Statement.* of Burlington, New Jersey, who died January 18th, 1880. By his will he left the greater portion of his estate for the purpose of establishing and maintaining an institution of advanced learning for women. The college is situated in the suburbs of Philadelphia, at Bryn Mawr, Pennsylvania, five miles to the west of the city. The site was purchased by the founder on account of its healthfulness and beauty, and the college buildings were begun during his lifetime. In 1880, the year of his death, the college was incorporated by the authority of the State of Pennsylvania, and invested with power to confer degrees. A circular of information was issued by the trustees in 1883. A president and a dean of the faculty were elected in the spring of 1884, and during the remainder of the year plans were matured and appointments made in the faculty. The courtesy of the presiding officers and instructors of existing universities and colleges facilitated an acquaintance with the prevailing college curriculum, and the domestic organisation of the woman's colleges, Vassar, Smith, and Wellesley, received careful consideration. To the Johns Hopkins University acknowledgment is especially due, since from it has been borrowed the system of major and minor electives in fixed combination to which Bryn Mawr College first gave the name of the Group System. In the spring of 1885 the first catalogue was issued, and the college was opened for instruction in the autumn of 1885.

Three classes of persons are admitted to the lectures and class work of the college—graduate students, undergraduate students, and hearers.

*Admission.*

Graduate students must have presented a diploma from some college of acknowledged standing. They may pursue any courses offered by the college for which their previous training has fitted them; but they must satisfy the several instructors of

*Graduate Students.*



their ability to profit by the courses they desire to follow, and may be required to pursue certain introductory or auxiliary studies before they are admitted to the advanced or purely graduate courses.\* They are, moreover, entitled to personal guidance and direction, supervision of their general reading and furtherance of their investigations, from the instructors, and their needs are considered in the arrangement of new courses of lectures.

***Fellows  
and  
Scholars.***

The most distinguished place among the graduate students is held by the fellows and graduate scholars, who must reside in the college during the academic year. Four European travelling fellowships, eighteen resident fellowships and thirty-six graduate scholarships are awarded annually. The conditions of the award and the duties of holders of fellowships and scholarships are stated on pages 195 to 198.

***Under-  
graduate  
Students.***

Undergraduate students must have fulfilled the requirements for matriculation, stated on pages 165 to 174, and may enter the college at any age at which those requirements have been fulfilled. The studies leading to the degree of Bachelor of Arts are stated on pages 174 to 182.

Those students who do not wish to study for a degree are permitted to pursue any undergraduate courses offered by the College for which their previous training has fitted them; they will, in the event of a change of plan, be credited with such of their studies as may have coincided with the studies leading to a degree. Attention is called to the fact that the Group System enables all candidates for a degree to specialise in two or more subjects.

***Hearers.***

Hearers are excused from passing the matriculation examination; but they are strictly distinguished from matriculated students, and are entitled to reside in the college only when by so doing they exclude no matriculated student, and when the courses pursued by them are equivalent in number to those ordinarily pursued in each year by candidates for a degree. They must be women of at least twenty-five years of age, and

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\* For the convenience of graduate students the courses offered in the graduate departments of the college are reprinted from this in a separate part of the calendar, Part 2. Graduate Courses, which may be obtained free of charge by applying to the Secretary of the College.

must furnish proof that they have at some time pursued the studies included in the matriculation examination. They must satisfy the several instructors that they can profit by the courses that they desire to follow, and their admission to recitations, examinations, and laboratory exercises depends on the express consent of the instructor in charge. Hearers differ, moreover, from matriculated students in that they are not recognised by the College, and may receive only such certificates of collegiate study as may be given them by the several instructors. They may not receive degrees.

All candidates for the degree of Bachelor of Arts must elect their courses in accordance with the Group System, and an understanding of the principles of the system is necessary for an intelligent selection of courses.

***The  
Group  
System.***

In all departments as yet fully organised there is a course of five hours a week for two years, called a Major Course. Whenever one year of this course is of such a nature that it may be taken separately, it is designated as a Minor Course. Every candidate for a degree is required to take two such major courses as shall be homogeneous, or shall complete each other, and major courses which fulfil this condition are designated as Groups. The object of this system is to enable the student to acquire the foundations of a specialist's knowledge; and the Required Courses, namely, English (two years), philosophy, science, (two years, or, if a second year of science be not elected, history, or economics and politics, or philosophy, or psychology, or mathematics), are intended in part to supplement the Group, and in part to insure a more liberal training than could be obtained if every student combined elective studies at pleasure.

*Major  
Course.*

The required two years' course in English serves as a general introduction to the study of language and comparative literature. The required two years in science (or the substitute permitted of one year's course in science and one year's course in history, economics and politics, philosophy, or psychology, or mathematics), permit the student of chemistry and biology to pursue advanced courses in one or both of these branches, or to take a major course in physics; and they give for one year at least to the student of history and literature the same kind of

*Required  
Courses.*

instruction and discipline as is received by the scientific student. The one year's course in philosophy is a general introduction into the study of the laws, conditions, and history of thought.

*Post-major  
Courses.*

In almost all departments post-major courses, truly advanced courses which answer to graduate courses in many colleges, are organised and may be elected by students that have completed the major, or group, work in the subject.

*Free Elective  
Courses.*

All minor courses that do not presuppose required courses may be elected by any student, and special free elective courses of one, two, or three hours a week, are offered in many departments.

*Courses  
of  
Study.*

There are offered each year to undergraduates major courses of five hours a week, for two years, in the following subjects: Greek, Latin, English, German, French, Italian and Spanish, Modern History, Ancient History, Economics and Politics, Philosophy, Psychology, Classical Archæology, History of Art, Mathematics, Physics, Chemistry, Geology, and Biology; and elective courses in the above and in Biblical Literature, Experimental Psychology, and Education.

Graduate courses are offered in Sanskrit, and Indo-European Philology, Greek, Latin, English Philology including Anglo-Saxon, Early and Middle English, English Literature, German Literature, Gothic, Teutonic Philology, Old Norse, Old High German, Middle High German, Old Saxon, Modern and Old French, Italian, Spanish, and other Romance Languages, Hebrew, Aramaic, Assyrian, Biblical Literature, History, Economics and Politics, Social Economy and Social Research, Philosophy, Psychology, Education, Classical Archæology, Mathematics, Physics, Chemistry, Physical Chemistry, Geology, Mineralogy, Palæontology, Morphology, Physiology, and Biochemistry.

*Courses in  
Language  
and  
Literature.*

The courses in language and literature are meant, first of all, to be complete in themselves and extensive enough to meet the needs of special students, and secondly, to facilitate the study of comparative philology or of comparative literature. Whenever it has been practicable, as in Greek and Latin and in the modern languages, one half of the major course has been devoted to strictly linguistic studies, and the other half to the history of



literature. The group work in English is constructed on this model, one half of the course being devoted to philology, and the other half to literary interpretation. Courses of parallel reading are required of all students of language and literature, precisely as laboratory work is required of the students of chemistry or biology; these courses are intended to acquaint the students with the works of numerous authors, and it is especially hoped that students of Greek and Latin will, by this means, accustom themselves to read these languages without assistance.

The courses in ancient and modern languages are of equal difficulty, and are placed on a footing of equality. The traditional separation between ancient and modern languages has been disregarded, because, although strictly classical students may always be inclined to combine Greek and Latin, there is, nevertheless, no modern literature of which the study may not fitly be preceded, or supplemented, by the study of Latin or Greek.

Whenever possible, as in the courses in Greek, Latin, English, German, and French literature, in history, politics, philosophy, the history of art, mathematics, and science, the instruction is given by means of lectures. *Lectures.* It is the object of these lectures to give a clear and succinct statement of facts and principles; to enumerate and criticise with frankness hand-books, authorities, and editions; to bring the student's knowledge up to date, and to inform her, step by step, what things have been definitely ascertained and what things remain to be investigated. It is intended that the notes taken on these lectures, in addition to their immediate practical use, shall be of lasting value for reference, and be the starting-point, or at least the schedule, of studies to be undertaken at some future day. Every isolated student knows how difficult it is to be initiated into the modern scholastic movement otherwise than orally; therefore, in addition to the lectures, the several instructors appoint certain hours in which the students may consult them freely. The lectures are accompanied by class work, prescribed reading, and by frequent examinations; they are strictly special, not popular.

The Professors or Associates appointed are the recognised heads of their departments, and only such instructors have



been chosen as are qualified to direct both graduate and undergraduate work.

**Courses of Instruction.** The undergraduate and graduate courses offered in the years 1915-16 and 1916-17 are as follows:

### Sanskrit, Greek, and Latin.

Professors and instructors: Dr. Arthur Leslie Wheeler, Dr. Henry Nevill Sanders, Dr. Wilmer Cave Wright, Dr. George A. Barton, Dr. Tenney Frank, Dr. James Fulton Ferguson, Miss Abby Kirk, and Dr. Mary Hamilton Swindler.

Exceptional facilities for the study of all departments of classical philology are offered by the large classical library owned by the college. The greater part of this library is formed by the well-known collection of the late Professor Hermann Sauppe, of Göttingen, which was acquired in 1894. This has been supplemented by purchases made by the college library, so that the classical library now numbers some seven thousand volumes, including complete sets of most of the important journals, and about seven thousand dissertations and monographs.

### Sanskrit and Comparative Philology.

The instruction in this department is under the direction of a non-resident lecturer in Sanskrit.

#### GRADUATE COURSES.

**Graduate Courses.** Lectures on Comparative Philology and Philological Seminary.

*Two hours a week throughout the year*

Students entering this course are expected to be familiar with German and French; a short preliminary course in Sanskrit is also of great aid to the student. The lectures on comparative philology treat of the connection of the Greek and Latin languages with the related languages of the Aryan group, first, phonetically, secondly, from the point of view of grammatical forms, and lastly, from the point of view of syntax. In the first part of the course, which covers what during the past years has been the field of the most active research, the student is introduced to the latest theories and discoveries in Aryan phonetics, and is expected to read and criticise the articles appearing from time to time in the philological journals, and to prepare reports on these articles. The same method is pursued during the investigation of the history of forms; and in the third part of the course the student begins the study of comparative syntax by a close comparison of the use of cases and verbal forms in Sanskrit, Greek, and Latin.

#### Elementary Sanskrit.

*Two hours a week throughout the year.*

Whitney's *Grammar* is used, and the classical selections from Lanman's *Reader* are read. Lectures are given on the phonology and morphology of Sanskrit.

The courses in Comparative Philology and in Elementary Sanskrit will not, as a rule, be given in the same year.

**Second Year Sanskrit.***One or two hours a week throughout the year.*

The Vedic selections in Lanman's *Reader* are read, with some additional hymns from the *Rigveda*. Selections from the classical literature are read at sight. Exercises in etymology are given to supplement the lectures on the phonology.

**Advanced Sanskrit.***Two hours a week throughout the year.*

Selected texts are read: the *Bhagavad-Gītā*; Kālidāsa's *Çakuntalā*, Acts I and II, with a careful study of the Prākṛit; selected hymns of the *Atharvaveda*. During the second term the course is conducted as a seminary, with use of the native commentaries.

**Greek.**

The instruction in this department is under the direction of Dr. Henry Nevill Sanders, Professor of Greek; Dr. Wilmer Cave Wright, Associate Professor of Greek; Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Miss Abby Kirk, Reader in Elementary Greek. The instruction offered in Classical Greek covers twenty-six hours of lectures and recitations a week apart from courses in Classical Archæology and New Testament Greek; it includes five hours a week of Matriculation Greek; ten hours a week of undergraduate major and minor work; five hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in Greek; and six hours a week of graduate work.

A course of five hours a week throughout the year is provided for those students that wish to study Greek, and whose examination for matriculation did not include it. Grammar and Composition are studied. Xenophon's *Anabasis* or *Memorabilia* and selections from Homer are read. Students may substitute for this course the minor, or first year's course in Latin. Either the matriculation course in Greek or the minor course in Latin is required of all candidates for the degree of Bachelor of Arts that have not passed the matriculation examination in Greek. This course is given by Miss Kirk under the direction of Dr. Wright.

**Matriculation Course.****FIRST YEAR.***(Minor Course.)***1st Semester.***(Given in each year.)*

Plato, *Apology* and *Crito*, and Greek Prose Composition, Dr. Sanders.

*Two hours a week.*

Sophocles, *Antigone*, Dr. Sanders.

*One hour a week.*

Homer, *Odyssey*, Dr. Wright.

*Two hours a week.**(May be taken as a free elective.)***Major Course.**

The Greek courses may not be offered for examination for advanced standing without class attendance.

Private reading: Euripides, *Alcestis*, ll. 1 to end must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 1-475 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 1-728 must be read by students taking the courses in Plato and in Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

## 2nd Semester.

Euripides, *Medea*, and Greek Prose Composition, Dr. Sanders.

Two hours a week

Herodotus, Dr. Sanders.

One hour a week

Homer, *Iliad*, Dr. Wright.

Two hours a week.

(May be taken as a free elective.)

The Greek courses may not be offered for examination for advanced standing without class attendance.

Private reading: Sophocles, *Philoctetes*, ll. 1-1080 and 1218-1313 must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 476-961 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 729 to end must be read by students taking the courses in Euripides and Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

## SECOND YEAR.

### 1st Semester.

(Given in each year.)

Demosthenes, Dr. Sanders.

Two hours a week.

Work in Greek prose composition is given in connection with this course.

Aristophanes, Dr. Sanders.

One hour a week

History of Greek Literature, Ionio-Dorian, and Attic periods, Dr. Wright.

Two hours a week.

Students who have not taken the work of the minor course are admitted to the course in History of Greek Literature as a free elective.

Private reading: Æschylus, *Prometheus Vinculus*, ll. 1 to end must be read by students taking the five-hour course; Æschylus, *Persæ*, ll. 1-680 must be read by students taking the courses in Demosthenes and Aristophanes, omitting the course in Greek literature. Æschylus, *Prometheus Vinculus*, ll. 1-436 must be read by students taking the course in Greek literature, omitting the courses in Demosthenes and Aristophanes. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

### 2nd Semester.

Thucydides, Dr. Sanders.

Two hours a week

Work in Greek prose composition is given in connection with this course.

Euripides, *Orestes*, Dr. Sanders.

One hour a week.

History of Greek Literature, Attic, Alexandrine, and Græco-Roman periods, Dr. Wright.

Two hours a week.

Students who have not taken the work of the minor course are admitted to the course in History of Greek Literature as a free elective.

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also. The lectures on Demosthenes and Thucydides and the one-hour courses in Aristophanes and Euripides may not be elected separately.

Private reading: Æschylus, *Persæ*, ll. 1 to end must be read by students taking the five-hour course; Æschylus, *Persæ*, ll. 681 to end must be read by students taking the courses in Thucydides and Euripides, omitting the course in Greek literature; Æschylus, *Prometheus Vincetus* ll. 437-876 must be read by students taking the course in Greek literature, omitting the courses in Thucydides and Euripides. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

*Group:* Greek with any language, *or* with Philosophy, *or* with Philosophy and Psychology, *or* with Psychology, *or* with Ancient History, *or* with Classical Archæology, *or* with Mathematics.

#### FREE ELECTIVE COURSES.

Minor courses, amounting to ten hours a week which may be taken as free electives, are offered in Ancient History and Classical Archæology. See pages 97 to 99, and 123 to 124.

***Free  
Elective  
Courses.***

#### POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. No student that has not completed the minor and major courses in Greek is admitted to any post-major course in Greek.

***Post-  
Major  
Courses.***

In 1915-16 the following post-major courses are offered:

##### *1st Semester.*

|   |                          |
|---|--------------------------|
| Æschylus, <i>Oresteia</i> , Dr. Sanders.                        | <i>Two hours a week.</i> |
| Aristophanes, <i>Acharnians</i> , <i>Knights</i> , Dr. Sanders. | <i>One hour a week.</i>  |
| Palatine Anthology or Lucian, Dr. Wright.                       | <i>Two hours a week.</i> |

##### *2nd Semester.*

|   |                          |
|---|--------------------------|
| Pindar, Dr. Sanders.  | <i>Two hours a week.</i> |
| Sophocles, <i>Electra</i> or Euripides, <i>Electra</i> , Dr. Sanders. | <i>One hour a week.</i>  |
| Sophocles, <i>Ajax</i> , Dr. Wright.                                  | <i>Two hours a week.</i> |

In 1916-17 the following post-major courses are offered:

##### *1st Semester.*

|   |                          |
|---|--------------------------|
| Minor Orations of the Attic Orators, Dr. Sanders.                   | <i>Two hours a week.</i> |
| Sophocles, <i>Antigone</i> or <i>Œdipus Tyrannus</i> , Dr. Sanders. | <i>One hour a week.</i>  |
| Melic Poets, Dr. Wright.  | <i>Two hours a week.</i> |



*2nd Semester.*

|  |                         |
|--|-------------------------|
| Æschylus, <i>Agamemnon</i> , or Thucydides, Dr. Sanders. | <i>Two hours a week</i> |
| Greek Prose Composition, Dr. Sanders.                    | <i>One hour a week</i>  |
| Plato, <i>Republic</i> , Dr. Wright.                     | <i>Two hours a week</i> |

In 1917-18 the following post-major courses are offered:

*1st Semester.*

|   |                         |
|---|-------------------------|
| Sophocles, <i>Trachiniæ</i> and Euripides, <i>Heracles</i> , Dr. Sanders. | <i>Two hours a week</i> |
| Herodotus, Dr. Sanders.   | <i>One hour a week</i>  |
| ■ Theocritus, Dr. Wright.   | <i>Two hours a week</i> |

*2nd Semester.*

|   |                          |
|---|--------------------------|
| Greek Prose Composition, Dr. Sanders.   | <i>One hour a week.</i>  |
| Bacchylides, Dr. Sanders.               | <i>One hour a week.</i>  |
| Euripides, <i>Bacchæ</i> , Dr. Sanders. | <i>One hour a week.</i>  |
| Æschylus, <i>Septem</i> , Dr. Wright.   | <i>Two hours a week.</i> |

## GRADUATE COURSES.

**Graduate Courses.**

Six hours a week of seminary work are offered each year to graduate students of Greek, accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduates.

The graduate courses in Greek are varied from year to year in two series, Attic Tragedy, Orators, and Historians, and the Homeric Question. Plato, and Aristophanes, in order that they may be pursued by a student for consecutive years. Students electing Greek as a major subject for the degree of Doctor of Philosophy must offer not less than two seminars and the journal club for two years and if Greek be also elected as the associated minor the candidate must offer two seminars and one journal club for three years. A list of approved associated minors and independent minors is given in the Regulations of the Academic Council. A large part of the work expected of graduate students consists of courses of reading pursued under the direction of the department, and reports of this reading are from time to time required of the students. A reading knowledge of French and German is required. The course in Comparative Philology is recommended to graduate students of Greek. For graduate courses in Classical Archæology, which may be offered as an associated or independent minor by students taking Greek as a major for the degree of Doctor of Philosophy, see page 125.

Greek Seminary, Dr. Sanders.

*Three hours a week throughout the year.*

*(Given in each year.)*

In 1915-16 Greek Orators are studied in the seminary. The work consists of the reading of large portions of all the orators and the critical interpretation of a selected part of each. Lectures are given on legal antiquities, the syntax, and the style of the various authors, in conjunction with which Dionysius of Halicarnassus and the Greek Rhetoricians are studied. The later rhetoricians are treated and their criticism of antiquity investigated. Students are expected to provide themselves with the Teubner text editions of Antiphon, Andocides, Lysias, Isocrates, Isæus, Æschines, Hypereides, and Demosthenes. The classical library is well equipped with works on the orators.

In 1916-17 Greek Historians will be the main subject of the seminary. Thucydides is studied in detail and reports are made on data of history contained in Greek literature in general. Lectures are given by the instructor on subjects connected with Greek historiography, such as the composition of Thucydides's history, the syntax and style of Thucydides, the history of early prose, Greek historical inscriptions.

In 1917-18 Attic Tragedy will be the subject of the seminary. The work of the seminary in textual criticism is devoted to Æschylus. Members of the seminary report on assigned subjects and give critical summaries of current classical literature.

Greek Seminary, Dr. Wright.

*Two hours a week throughout the year.*

*(Given in each year.)*

In 1915-16 the Homeric Question is the subject of the seminary, and the work consists of a review of the discussions of the Homeric poems since the publication of Wolf's *Prolegomena*. The various tests that have been applied to the poems by archæologists, linguists, historians of myths, and æsthetic critics are taken up and criticised in detail.

In 1916-17 Aristophanes will be the subject of the seminary. The aim of the seminary is to make the students familiar with the more important Aristophanic literature up to the present day. Portions of the text are interpreted by the class and reports on assigned topics, literary, historical, and archæological, connected with the plays are expected from all the members. All the comedies of Aristophanes are read in the course of the year; lectures are given by the instructor on the metres and syntax of Aristophanes, on the dramatic structure of the plays and on the history of Attic comedy. Part of the work consists of analyses of Latin and German dissertations on Aristophanes which are presented by members of the class. Every member of the class should provide herself in advance with a complete text of Aristophanes. The Clarendon Press (Oxford) edition is recommended.

In 1917-18 Plato will be the subject of the seminary. The work is mainly literary and critical. Lectures on the style, philosophy, and chronology of the dialogues are given by the instructor; a detailed interpretation of a portion of Plato, and reports on topics set for discussion are given by the class. The students are expected to read the *Republic*, *Theætetus*, *Parmenides*, and *Sophist* and discuss certain problems arising from these dialogues. The aim of the course is to lay a foundation for independent work by familiarising the students with the achievements of German scholarship and the general field of Platonic literature up to the present day. Analyses of German and Latin dissertations are expected from the class. Lutoslawski's *Origin and Growth of Plato's Logic* is criticised in detail. Every member of the seminary should provide herself in advance with a complete text of Plato. The Clarendon Press (Oxford) edition is recommended.

Greek Journal Club, Dr. Sanders and Dr. Wright.

*One and a half hours once a fortnight throughout the year.*

The instructors and the advanced students meet to report on and discuss recent articles and books.

## Latin.

The instruction in this department is under the direction of Dr. Arthur Leslie Wheeler, Professor of Latin, Dr. Tenney Frank,\* Professor of Latin, Dr. James Fulton Ferguson, Asso-

\* Granted leave of absence for the year 1916-17. The courses offered by Dr. Frank will be given by Mr. Ruth in 1916-17.

ciate Professor of Ancient History and Latin, Mr. Thomas De Coursey Ruth, Lecturer (elect) in Latin, and Dr. Mary Hamilton Swindler, Reader in Latin and Reader and Demonstrator in Classical Archaeology. The instruction offered in Latin covers twenty-three hours of lectures and recitations a week, and includes ten hours a week of undergraduate-major and minor work; one hour a week of free elective, six hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in Latin; and six hours a week of graduate work.

## FIRST YEAR.

(Minor Course.)\*

**Major Course.***1st Semester.*

(Given in each year.)

Cicero, *Letters*, Dr. Wheeler, Dr. Ferguson, and Dr. Swindler.*Three hours a week.*

The class is divided into three sections, one of which is assigned to each instructor

Horace, *Odes*, Dr. Frank,† Dr. Ferguson, and Dr. Swindler.*Two hours a week*

(May be taken as a free elective.)

The class is divided into three sections, one of which is assigned to each instructor.

Private reading: Sallust's *Catilina* must be read during the first semester by students taking the five-hour course. Students taking the course in Horace only must read one half of the *Catilina* in each semester, while those taking the three-hour course in Cicero only read one half of the *Stories* from Gellius in each semester. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

*2nd Semester.*Terence, *Phormio*, *Adelphoe*, and *Andria*, Dr. Wheeler, Dr. Ferguson, and Dr. Swindler.*Three hours a week.*Horace, *Selections from the Satires and Epistles* and Vergil, *Eclogues*. Dr. Frank,† Dr. Ferguson, and Dr. Swindler.*Two hours a week*

(May be taken as a free elective.)

Private reading: *Stories* from Gellius must be read by students taking the five-hour course. *Stories* from Gellius (second half) must be read by students taking the course in Terence only. Sallust, *Catilina* (second half) must be read by students taking the course in Horace only. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

## SECOND YEAR.

*1st Semester.*

(Given in each year.)

Tacitus, *Annals*, Dr. Wheeler.*Two hours a week.*

\* For regulations regarding the passing off of the Minor Latin, see footnote, page 170. Students passing off the Minor Latin course for advanced standing are not required to take the separate examinations in private reading.

† See footnote, page 61.



The reading is devoted chiefly to those parts of *Books i-vi* bearing on the character of Tiberius, a study of which forms one of the main objects of the course. Other important topics are Tacitus's method as a historian, his style as a writer, the peculiarities of "Silver" Latin, etc. Several lectures are given on these and other subjects.

Latin Composition, Dr. Wheeler.

*One hour a week.*

Training in writing Latin is intended to give the student a more intimate knowledge of the language and to aid her in differentiating the styles of the authors read in the course. There will be some practice in oral work.

Lectures on Latin Literature, Dr. Frank.\*

*Two hours a week.*

The lectures in this course treat the history of Latin Literature from its earliest beginnings down to the end of the second century of the Christian era, including all the authors from whose writings any important remains have been preserved. The libraries in each hall contain texts of the most important authors and extensive reading is required.

No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

Private reading: Cicero, *De Senectute* must be read by students taking the five-hour course; Tacitus, *Agricola* (first half) must be read by students taking the course in Tacitus only; Cicero, *De Senectute* (first half) must be read by students taking the course in Latin Literature only. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

## 2nd Semester.

Latin Comedy, Plautus, Dr. Wheeler.

*Two hours a week.*

The origin, development, and characteristics of Roman comedy are studied. Much attention is devoted to the peculiarities of archaic and colloquial Latin and to the reading of the simpler metres. Such topics as the theatre, stage, and actors receive special treatment in lectures. Three or four plays are read in class.

Latin Composition (continued), Dr. Wheeler.

*One hour a week.*

Lectures on Latin Literature (continued), Dr. Frank.\*

*Two hours a week.*

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also.

No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

Private reading: Tacitus, *Agricola* must be read by students taking the five-hour course; Tacitus, *Agricola* (second half) must be read by students taking the course in Latin Comedy; Cicero, *De Senectute* (second half) must be read by students taking the course in Latin Literature only. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

*Group: Latin with any language, or with Philosophy, or with Classical Archæology, or with Ancient History, or with Mathematics.*

## FREE ELECTIVE COURSE.

Lectures on Roman Life, Dr. Frank.

*One hour a week throughout the year.*

*(Given in 1915-16.)*

An attempt is made to describe briefly Roman social and economic conditions, as well as the development of religious beliefs and institutions.

**Free  
Elective  
Course.**

\* See footnote, page 61.



## POST-MAJOR COURSES.

**Post-Major Courses.**

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. No student that has not completed the minor and major courses in Latin is admitted to any post-major course in Latin.

In 1915-16 and again in 1917-18 the following post-major courses are offered:

*1st Semester.*

Roman Satire, Dr. Wheeler.

*Two hours a week.*

The subject is treated historically in order to give an outline of the origin and development of Satire. The class reads selections from Horace, Persius, Seneca, Petronius, and Juvenal, together with some of the fragments of Ennius, Lucilius, and Varro. The readings are supplemented by occasional lectures. Each student is required to prepare papers on assigned topics in each semester.

Lucretius and Catullus, Dr. Frank.

*Three hours a week.*

Selections from the *De Rerum Natura* and from the Lyrics of Catullus are read.

Latin Prose Composition, Dr. Frank.

*One hour a week.*

*2nd Semester.*

Roman Satire (continued), Dr. Wheeler.

*Two hours a week.*

Cicero and Cæsar, Dr. Frank.

*Three hours a week.*

An effort is made by means of lectures, discussions, and extensive reading to gain an intimate acquaintance with the literary work and the political careers of Cicero and Cæsar. In 1917-18 Martial and Pliny will be the subjects of the course.

Latin Prose Composition (continued), Dr. Frank.

*One hour a week.*

In 1916-17 and again in 1918-19 the following post-major courses are offered:

*1st Semester.*

Roman Elegy, Dr. Wheeler.

*Two hours a week.*

An effort is made to trace historically the development of this branch of poetry among the Romans. Selections from Catullus, Tibullus, Propertius, and Ovid are read and the readings are supplemented by occasional lectures. Special attention is devoted to the structure and reading of the elegiac distich and to the characteristics of Roman poetic diction. Each student is required to prepare papers on assigned topics in each semester.

The Life and Works of Vergil, Dr. Frank.\*

*Three hours a week.*

The larger part of the *Æneid*, two books of the *Georgics* and some of the minor poems are read and discussed.

Latin Prose Composition, Dr. Frank.\*

*One hour a week.*

*2nd Semester.*

Roman Elegy (continued), Dr. Wheeler.

*Two hours a week.*

Roman Prose of the Empire, Dr. Frank.\*

*Three hours a week.*

Selections from Velleius, Seneca, Quintilian, Tacitus, Suetonius, Apuleius and Minutius Felix are read.

Latin Prose Composition (continued), Dr. Frank.\*

*One hour a week.*

\* See footnote, page 61.

## GRADUATE COURSES.

**Graduate Courses.**

Six hours a week of seminary work are offered each year to graduate students of Latin accompanied by the direction of private reading and original research. The books needed by graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to six hours a week may be elected by graduates.

The graduate work in Latin is conducted according to the seminary method, and is intended not only to broaden the student's knowledge, but also to teach methods of work. The graduate courses in Latin are varied from year to year in three series, Roman Comedy, Lyric Poetry, and Elegy and Roman History, Epigraphy and Literature, or Syntax. Students electing Latin as a major subject for the degree of Doctor of Philosophy must offer not less than two seminaries and the journal club for two years and if Latin be also elected as the associated minor the candidate must offer two seminaries and one journal club for three years. A list of approved associated and independent minors is given in the Regulations of the Academic Council. It is desirable that all students who intend to do advanced work in Latin should have some knowledge of Greek. A reading knowledge of French and German is also necessary.

Latin Seminary, Dr. Wheeler.

*Three hours a week throughout the year.*

*(Given in each year.)*

In 1915-16 Latin Comedy is the subject of the seminary. All the plays of Plautus and Terence are read by the students; single plays form the basis of special work on the language, text, metres, etc. Students should provide themselves with the text edition of Plautus, edited by Goetz and Schoell, Leipsic, Teubner, 1892-1904, or that of W. M. Lindsay, Oxford, 1903-04, and with Dziatzko's text of Terence, Leipsic, Tauchnitz, 1884. The plays of Plautus, annotated by Brix, Leipsic, Teubner, 1901-12, and by Lorenz, Berlin, Weidmann, 1876-86, and the plays of Terence, annotated by Dziatzko (revised by Hauler), 1898 and 1913 (Teubner), and by Spengel, 1879 and 1905 (Weidmann), are also recommended. *P. Terenti Afri Commoeda*, edited by S. G. Ashmore, Oxford University Press, New York, 1908, is a convenient commentary.

In 1916-17 Roman Lyric in the Period of the Republic will be the subject of the seminary. After a rapid survey of the fragmentary lyric remains of the predecessors and contemporaries of Catullus, the poems of Catullus himself are studied in detail. Students should have *Catulli carmina* (Oxford text, 1904), edited by Robinson Ellis, and either the same scholar's *Commentary on Catullus*, Oxford, Clarendon Press, 1889 (second edition), or G. Friedrich's *Catulli Veronensis liber*, Leipsic and Berlin, 1908 (Teubner).

In 1917-18 Roman Elegy as represented by Tibullus, Propertius, and Ovid will be the subject of the seminary. In addition to a careful study of selected poems an effort is made to trace the history of elegy among the Romans. The various topics connected with the subject are treated in detail as far as time permits, and the students are encouraged to familiarise themselves with the best literature in editions, periodicals, and dissertations. The texts recommended are the Oxford Clarendon Press editions of Catullus and Tibullus, edited by Ellis and Postgate, and the Leipsic (Teubner) text of Propertius, edited by C. Hosius, 1911. The best commentaries are Kirby Smith's *The Elegies of Tibullus*, New York, 1913 (American Book Co.), and M. Rothstein's *Die Elegien des Sextus Propertius*, Berlin, 1898 (Weidmann). For Catullus see Roman Lyric.

## Latin Seminary, Dr. Frank.

*Two hours a week throughout the year**(Given in each year.)*

In 1915-16 Cicero's Correspondence is the subject of the seminary. An effort is made to master typical textual and linguistic problems presented by this text, and more especially to extend the student's acquaintance with the Roman civilisation of Cicero's day.

In 1916-17 Mr. Ruth will conduct the seminary and selected topics in Roman literature will be discussed. The work consists of studies in the early Roman epic and tragedy.

In 1917-18 Latin Epigraphy and Palæography will be the work of the seminary. About two-thirds of the course is devoted to the study of the *Corpus Inscriptionum*. The questions assigned for investigation deal mainly with Roman political institutions, public and private life, and with historical grammar. Dessau's *Inscriptiones Latine Selectæ* is used in the class room. The paleographical facsimiles of Chatelain, Zangemeister and Wattenbach, and Arndt form the basis for work in the latter part of the course.

## Latin Journal Club, Dr. Wheeler and Dr. Frank.

*One and a half hours once a fortnight throughout the year.*

The instructors and the advanced students meet to report on and discuss recent articles and books.

## MODERN LANGUAGES.

Professors and instructors: Dr. M. Carey Thomas, Dr. Fonger DeHaan, Miss Lucy Martin Donnelly, Dr. Karl Detlev Jessen, Dr. Carleton Fairchild Brown, Dr. Richard Thayer Holbrook, Dr. Regina Katharine Crandall, Dr. Agathe Lasch, Dr. Eunice Morgan Schenck, Dr. Samuel Claggett Chew, Jr., Dr. Jean Baptiste Beck, Mr. Samuel Arthur King, Dr. Pierre François Giroud, Dr. Howard James Savage, Miss Mary Jeffers, Dr. Edna Aston Shearer, Dr. Ida Langdon, Miss Esther Cloudman Dunn, Miss Ellen Thayer, Miss Clara Whitney Crane, Mrs. Edith Chapin Craven, Miss Elly Wilhelmina Lawatschek, and Miss Ellen Elisabeth Hill.

## English.

The instruction in this department is under the direction of Dr. M. Carey Thomas, Professor of English, Miss Lucy Martin Donnelly,\* Professor of English, Dr. Carleton Fairchild Brown, Professor of English Philology, Dr. Regina Katharine Crandall, Director of Essay Work, and Associate (elect) in English Composition, Dr. Samuel Claggett Chew, Jr., Associate, and Associate Professor (elect) in English Literature, Mr. Samuel Arthur King, Non-resident Lecturer in English Diction, Dr. Howard James Savage, Lecturer in English Literature and Rhetoric, and Associate Professor (elect) of English Rhetoric and Director (elect) of the Work in English Composition, Dr.

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\* Granted leave of absence for the year 1915-16.



Edna Aston Shearer, Dr. Ida Langdon, Miss Esther Cloudman Dunn, Miss Clara Whitney Crane, Mrs. Edith Chapin Craven, and Miss Ellen Elisabeth Hill, Readers in English. The instruction offered in English covers forty-four hours of lectures and recitations a week, and includes two years of lectures on literature and language required of every candidate for the Bachelor's degree; two years of Minor and Major English, which presuppose as much information as is contained in the required course, and may be elected in combination with the major course in any other language, or with philosophy, or with philosophy and psychology, or as a free elective; six hours a week of free elective work; one hour a week of elective courses in English diction, and graduate courses in English literature, Anglo-Saxon, and Early and Middle English.

The required course consists of lectures on literature and language, in which the history of English literature is regarded as far as possible from the point of view of European literature generally; a study of the principles of English composition with constant practice in writing; and courses of private reading, which are meant to familiarise the student with English authors. The instruction in English composition is given in three ways: in introductory lectures, in written corrections on papers written by the students, and in conferences between the instructors and students. The course in English composition and rhetoric, though not connected with the lectures on literature and language, may not be elected separately.

**Required Course.**

FIRST YEAR.

*1st Semester. (Given in 1916-17 and in each succeeding year.)*

General English Composition, Part I, Dr. Savage, Dr. Crandall, Miss Dunn, Mrs. Craven, Miss Hill.

*Four and a half hours a week.*

For the most part, the course is concerned with a rapid survey of the elements of usage and discourse, and with the study of exposition, argument, and allied topics and forms. Some attention will be paid to oral composition. The written work consists of papers both short and long and various exercises. Personal interviews between instructor and student form an important part of the work. Much stress is laid upon illustrative reading. The class meets once, and sometimes twice, a week; the divisions meet regularly twice each week. Some of the class meetings will be devoted to lectures on present-day literary tendencies and kindred topics by members of the Department of English.

The Principles of Articulation, Mr. King.

*One hour a fortnight.*

This course deals with a system of oral gymnastics, by which a distinct, firm, and fluent articulation can be acquired. The means of instruction for improving the quality of the speaking voice, and for acquiring a correct production, are pointed out. Special attention is paid to the cure of nasality and other vicious habits of speaking. The common errors of articulation and the vulgarisms constantly heard in every-day speech are clearly defined. A special class will be formed to assist those students whose defects of articulation are so marked as to make it difficult for them to work with the other members of the class.



*2nd Semester.*

Lectures on the history of English Literature, Miss Donnelly.\*

*Four and a half hours a week.*

Beginning with a history of the English language and Anglo-Saxon literature, the lectures give a brief introduction to the study of early Teutonic literature and mythology. The history of English literature to the death of Spenser and of mediæval literature, occupies the second half of the course.

The Principles of Articulation (continued), Mr. King. *One hour a fortnight*

## SECOND YEAR.

*1st Semester. (Given in 1916-17 and in each succeeding year.)*

Lectures on the history of English literature from the death of Spenser to the present time, inclusive, with a short account of the influences of the contemporary continental literatures, Miss Donnelly.\*

*Four and a half hours a week.*

The Sonant Properties of Speech, Mr. King. *One hour a fortnight*

This course consists of a detailed study of the principles of inflection, pitch, and rhythm, together with special treatment of emphasis and rules on pausing. Students are required from time to time to read aloud in order that individual faults may be corrected.

*2nd Semester.*

General English Composition, Part II, Dr. Savage, Dr. Crandall, Miss Dunn, Mrs. Craven, Miss Hill. *Four and a half hours a week.*

In this course the work of the first year is continued with reference to argument, description, narration, and like forms and topics. The arrangements as to papers, reading, interviews, class meetings, and similar matters are like those for the first year.

**Major Course.**

The major course in English differs slightly from the other major courses of the college, in that it must always have been preceded by two years' study of English in the required undergraduate courses, and is intended for graduate students or for those undergraduate students who are anxious to specialise in English. Any of the courses, except the courses in English Drama, in English Fiction in the nineteenth century, in Middle English Poetry and Chaucer, and in Shakespeare, may be taken separately as free electives by students that have completed the required course. Students wishing to specialise in language may substitute the course in Middle English Poetry and Chaucer or the course in Shakespeare for the course in English Fiction in the nineteenth century, but all students taking a major course in English must take either the course in Anglo-Saxon Prose and Beowulf or the course in Middle English Romances.

## FIRST YEAR.

*1st Semester. Minor Course. (Literature.)*

English Critics of the Nineteenth Century, Dr. Chew. *Five hours a week*

*(Given in each year.)*

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\* Granted leave of absence for the year 1915-16. The courses offered by Miss Donnelly are given in 1915-16 by Dr. Savage.

Carlyle, Newman, Ruskin, Arnold, and a few other writers are studied with regard to their theories of criticism and to their influence upon the thought of their time. The required reading includes, besides selections from these authors a certain amount of poetry. A report must be prepared by all students attending this course.

## 2nd Semester.

English Poetry, 1850-1914, Dr. Chew.

*Five hours a week.*

*(Given in 1915-16 and again in 1916-17.)*

A review of the progress of poetry during the first half of the nineteenth century is followed by a more detailed study of the poets of the later period.

English Poets of the Romantic Movement, Miss Donnelly.

*Five hours a week.*

*(Given in 1917-18.)*

The poets studied in this course are Wordsworth, Coleridge, and Shelley in the first semester and in the second, Byron, Keats, and Landor. Their works are discussed in class in connection with questions of poetics and literary theory and reports and essays are required from students attending the course.

## 1st Semester.

*Language.*

Anglo-Saxon Prose and Beowulf, Dr. Brown.

*Five hours a week.*

*(Given in 1915-16 and again in 1917-18.)*

The first half of the course is devoted to an outline of Anglo-Saxon grammar as presented in Siever's *Old English Grammar* (Cook's translation) and to the reading of the prose selections in Bright's *Anglo-Saxon Reader*. After reading one or two of the shorter Anglo-Saxon poems, the *Beowulf* is taken up (Holthausen's or Schücking's text) and the first two-thirds of the poem is read with the class.

Middle English Romances, Dr. Brown.

*Five hours a week.*

*(Given in 1916-17 and again in 1918-19.)*

Selected romances are read by the members of the class. The lectures deal with the development of Romance literature in English with special reference to the romances of Germanic origin and the Arthurian cycle.

## SECOND YEAR.

### 1st Semester.

*Literature.*

*(Given in each year.)*

English Drama, Dr. Chew.

*Five hours a week.*

This course is intended to give students who have completed the required course in English a survey of the development of the early drama, a more intimate knowledge of the Elizabethan and Jacobean period, and an introduction to the later periods of the drama. Plays by Lyly, Greene, Marlowe, Shakespeare, Jonson, Middleton, Beaumont and Fletcher, and Webster, and among later dramatists Dryden, Congreve, Steele, Sheridan, and certain nineteenth century playwrights are read. A report is required from each student attending the course.

### 2nd Semester.

English Fiction in the Nineteenth Century, Dr. Savage. *Five hours a week.*

*(Given in 1915-16 and again in 1916-17.)*

A study of the principal types of English prose fiction during the last century, the short story and the novel, with attention to their origins, development, and technique.

*2nd Semester.**Language.*

Middle English Poetry, Chaucer, Dr. Brown.

*Five hours a week**(Given in 1915-16 and again in 1917-18.)*

The course begins with an outline of Middle English grammar sufficient to enable the students to read ordinary texts intelligently. The complete text of the *Orl and Nychtyngele*, *The Fox and Wolf*, and *Pearl* will be read, as well as selections from Langland's *Vision of Piers the Plowman* and other pieces. Lectures are given on the development of the language and literature during this period. In the course on Chaucer the best of the *Canterbury Tales* are studied, also the *Legend of Good Women*, *The House of Fame*, and portions of *Troilus and Criseyde*. The lectures discuss Chaucer's sources and literary art and his relation to the English, French, and Italian literature of his time.

Shakespeare, Dr. Brown.

*Five hours a week**(Given in 1916-17 and again in 1918-19.)*

A careful study is made of a number of Shakespeare's plays, selected with a view to illustrating his earlier and later work and his method in comedy, tragedy, and chronicle history. The plays usually chosen are: *Romeo and Juliet*, *Henry V*, *Othello*, *Hamlet*, and *Winter's Tale*. Some of the more general problems connected with these plays are discussed in introductory lectures.

*Group:* English with any language, or English with Philosophy, or English with Philosophy and Psychology.

## FREE ELECTIVE COURSES.

Daily Themes, Dr. Crandall.

*Two hours a week during the first semester**(Given in 1915-16.)*

Short papers on subjects chosen by the students themselves are required from each student and discussed in the class.

Narrative Writing, Dr. Crandall.

*Two hours a week during the second semester**(Given in 1915-16.)*

The style and methods of the best modern writers of short stories, both English and French, are treated in this course. The course is open to students who have obtained the grade of merit in two semesters or of credit in one semester of the required course in English Composition, but no student may take this course at the same time that she is taking another course in English Composition.

Argumentation, Miss Shearer.

*Two hours a week throughout the year.**(Given in 1915-16.)*

In the first semester the technique of Argumentation is studied. In the second semester the relation between the laws of thought emphasised in the first semester and the ordinary forms of prose composition is established; if the class is sufficiently large part of the time is given to debate. The course is open to students who have obtained the grade of merit in two semesters, or of credit in one semester of the required course in English Composition, but no student may take this course at the same time that she is taking another course in English Composition.

A Study of Poetics, Dr. Langdon.

*Two hours a week throughout the year.**(Given in 1915-16.)*

This course consists of a study of poetics based upon various treatises and essays concerning the art of poetry. The students will be required to write a number of reports and papers. The course is open to students who have completed the required course in English composition and may be taken at the same time as another elective course in writing.

**The Technique of the Drama, Dr. Savage.***Two hours a week throughout the year.**(Given in 1916-17 and again in 1918-19.)*

This course is open only to those students who can assure the instructor that they can pursue the work with profit. It deals with exercises in the use of dialogue, the building of scenarios, adaptation, and the writing of original longer and shorter plays; and with the observation of dramatic technique in plays read and seen.

**Materials and Methods of Teaching Composition, Dr. Savage.***Two hours a week during the second semester.**(Given in 1917-18 and again in 1919-20.)*

This course is intended for graduate students and for undergraduates who expect to teach English; its aim is to present some of the problems of collegiate instruction in composition: the planning and supervision of courses, reports on departments in various colleges, and allied problems. Practice in writing is gained through reports of varying character and length.

**Intermediate Composition, Dr. Crandall.***Two hours a week throughout the year.**(Given in 1916-17 and again in 1918-19.)*

In the main the course deals with problems connected with exposition, criticism, the essay, and kindred forms. Both longer papers and shorter papers, including some daily themes, will be written. The work is carried on through class meetings and personal interviews. The course is open to students who have completed the required course in English composition and obtained the grade of merit in two semesters of the course.

**The Short Story, Dr. Crandall.***Two hours a week throughout the year.**(Given in 1917-18 and again in 1919-20.)*

The course deals with various forms of narrative, but the main emphasis is placed upon writing the short story. The work of representative authors, both English and French, is studied. The course is open to students who have completed the required course in English composition and obtained the grade of merit in two semesters of the course.

**Argumentation, Written and Oral, Dr. Crandall.***One hour a week throughout the year.**(Given in 1916-17 and in each succeeding year.)*

The writing of arguments, the study of the form with reference to other types of writing, and other problems connected with argumentation, formal and informal, make up the work of the course. If possible, some attention will be paid to oral composition. The course is open to students who have completed the required course in English composition and obtained the grade of merit in two semesters of the course.

**Reading of Shakespeare, Mr. King.***One hour a week throughout the year.**(Given in 1915-16 and again in 1917-18.)*

This course is open only to those students who have attended the lectures in English diction given in the general course. A special study is made of the principles of correct delivery of blank verse. The needs of those students who expect to teach English literature and desire to read Shakespeare to their pupils are given special attention.

**General Reading of Prose Authors, Mr. King.***One hour a week throughout the year.**(Given in 1916-17 and again in 1918-19.)*

This course is open only to those students who have attended the lectures in English diction given in the general course.



## GRADUATE COURSES.

**Graduate Courses.**

There are offered each year distinct graduate seminars and courses in English literature and in English language, and these seminars and courses are varied so as to enable candidates for the degree of Doctor of Philosophy to pursue graduate work for three or more successive years. The graduate instruction in English literature includes the direction of private reading and the assignment of topics for investigation. The graduate courses in literature presuppose at least as much knowledge as is obtained in the two years' course of undergraduate lectures on English literature and in one of the literature years of the English major; and the graduate courses in Anglo-Saxon presuppose as much knowledge of Anglo-Saxon as is obtained in the language year in the English major. All students offering English as a subject for the degree of Doctor of Philosophy must have taken at least the equivalent of the essay work in the required English course.

Students who elect English literature as their major subject in their examination for the degree of Doctor of Philosophy must offer English philology as an associated minor and those who offer English philology as a major subject must offer English literature as an associated minor. In the major together with the associated minor the student must offer two seminars and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

**Seminary in Middle English, Dr. Brown.**

*Three hours a week throughout the year.*

*(Given in each year.)*

In 1915-16 the Beginnings of English Drama are the subject of the seminary. After tracing the emergence of plays in the vernacular from the liturgical drama, the evolution of the leading English mystery cycles will be studied. In considering the morality plays, their connection with mediæval allegories, debates, and didactic treatises will be specially examined. The lectures given by the instructor are designed to afford a general survey of the drama (both religious and secular) in England to the accession of Queen Elizabeth. Critical reports on assigned topics are required from the students.

In 1916-17 Middle English Romances will be the subject. All the romances represented in Middle English are read, and the relation of these English versions to their Latin and Old French originals are discussed. The romance cycles are taken up in the following order: Troy story, Alexander saga, romances of Germanic origin, Arthurian cycle, Charlemagne cycle. Special investigations of problems relating to the romances are undertaken from time to time by the members of the seminary.

In 1917-18 the seminary will undertake the study of *The Vision of Piers the Plowman* and the works of Chaucer. Attention is devoted not so much to the critical reading of the texts themselves as to the examination of the questions of authorship and chronology which have recently been raised. These poems are also discussed in their relation to the other literature of the fourteenth century. Special subjects for individual investigation are assigned to the members of the seminary.

**Cynewulf and Cædmon, Dr. Brown.**

*Two hours a week throughout the year.*

*(Given in 1915-16 and again in 1917-18.)*

Several of the poems traditionally ascribed to those authors are critically studied. Lectures are given furnishing an introduction to Anglo-Saxon Christian poetry and the

literary problems connected with it. This course is open to graduate students who have already taken the course in Anglo-Saxon, or its equivalent.

**Beowulf, Dr. Brown.**

*Two hours a week throughout the year.*

*(Given in 1916-17 and again in 1918-19.)*

This course gives in the first place a general survey of Beowulf criticism, including textual problems, theories as to the composition of the poem, and an enquiry into its historical and mythological elements. In this connection a study is also made of the other pieces of Anglo-Saxon heathen poetry. This course is open to graduate students who have already taken the course in Anglo-Saxon or its equivalent.

**English Historical Grammar, Dr. Brown.** *Two hours a week throughout the year.*

*(Given in 1916-17 and again in 1918-19.)*

In this course the development of the English language is traced from the earliest times. After an outline of the history and external relations of English, the change and decay of inflections, the use of prepositions and the more important points in historical syntax are discussed. The course presupposes a knowledge of Anglo-Saxon and Middle English.

**Seminary in English Literature, Miss Donnelly.**

*Two hours a week throughout the year.*

*(Given in alternate years.)*

In 1916-17 the Romantic Poets will be the subject of the seminary. Special attention will be paid to Shelley and Byron and to the phases of Romanticism shown in their work. Their relations to their contemporaries in England and on the Continent will be discussed.

In 1918-19 Eighteenth Century Prose will be the subject of the seminary. Swift, Addison, and Steele will be studied. Attention will be given to their relations to both contemporary politics and literature.

**Seminary in English Literature, Dr. Chew.**

*Three hours a week throughout the year.*

*(Given in each year except 1916-17.)*

In 1915-16 the seminary is devoted to the study of English Literature during the latter half of the reign of Queen Victoria. The work and influence of the Pre-Raphaelites, Swinburne, Meredith, and Pater; the influence of Baudelaire and Verlaine; the "Celtic Revival"; the revival of the drama; and the "New Mysticism" are among the topics considered.

In 1917-18 the subject of the seminary will be the Elizabethan and Jacobean drama. The period from about 1608 to 1642 will receive special attention. Problems of dramatic inter-relationship, authorship, technique, and the like will be investigated.

In 1918-19 the Earlier Romantic Period will be the subject of the seminary. Burns, Blake, Wordsworth and Coleridge are the poets to whom the chief attention will be devoted.

**Technical and Advanced Criticism, Dr. Savage.**

*Two hours a week during the first semester.*

*(Given in 1917-18.)*

In this course attention will be given to bibliography, the tabulating of critical data, the planning and writing of papers, reports, and dissertations, critical usage, and other matters. Materials collected for other courses in research are available for use in this work.

**English Journal Club, Dr. Brown, Miss Donnelly,\* Dr. Chew, and Dr. Savage.**

*One and a half hours a fortnight throughout the year.*

*(Given in each year.)*

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

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\* Granted leave of absence for the year 1915-16.

## German.

The instruction in this department is under the direction of Dr. Karl Detlev Jessen,\* Professor of German Literature, Dr. Agathe Lasch, Associate Professor of Teutonic Philology, Dr. Oscar F. W. Fernsemer, Lecturer in German, and Miss Mary Jeffers,† Reader in Elementary German, and Miss Elly Wilhelmina Lawatschek, Reader in Elementary German. The instruction offered in German covers twenty-nine hours of lectures and recitations a week; it includes five hours a week of matriculation German; ten hours a week of undergraduate major and minor work; one hour a week of free elective; three hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in German, and ten hours a week of graduate work in modern German literature and in Teutonic philology.

### **Matriculation Course.**

A class for beginners in German, conducted by Miss Mary Jeffers,† five hours a week throughout the year, is provided, in order that those students whose matriculation examination did not include German may obtain the reading knowledge of it that they must possess before receiving a degree. By great diligence such students may acquire sufficient knowledge to be admitted should they desire it, into the first year of the major course in German.

### **Major Course.**

The major course in German presupposes as much knowledge as is required to pass the matriculation examination in this subject.

#### FIRST YEAR.

##### (Minor Course.)

(Given in each year.)

Lectures on the History of German Literature from the period of Romanticism to the present time, Dr. Jessen.\* *Two hours a week throughout the year.*

These lectures are delivered in German and discuss the masterpieces of German literature in the nineteenth century. As much collateral reading as possible, done either in or out of class, will illustrate the lectures. Weicher's *Deutsche Literaturgeschichte* is recommended for reference.

This course is open as a free elective to all students that have passed the matriculation examination in German.

Private reading: Grillparzer, *Sappho*, and Freytag, *Die Journalisten*, must be read by students taking the course in the first semester; Heibel, *Agnes Bernauer*, and Sudermann, *Die Heimat*, must be read by students taking the course in the second semester. Exami-

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\* Granted leave of absence for the year 1915-16. The seminary and courses announced by Dr. Jessen were conducted by Dr. Fernsemer in 1915-16.

† Granted leave of absence for the year 1915-16. The course offered by Miss Jeffers was given by Miss Lawatschek in 1915-16.



nations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

### Critical Reading of Modern German Authors, Dr. Lasch.

*Two hours a week throughout the year.*

### German Grammar and Prose Composition, Dr. Lasch.

*One hour a week throughout the year.*

The course in critical reading consists of translations of modern German prose and verse. Selections from Goethe's *Dichtung und Wahrheit* are studied and a number of Goethe's earlier writings are read by the students and discussed in class. They are selected so as to illustrate the events narrated in *Dichtung und Wahrheit*. For translation of English into German, Whitney and Stroebe's *Advanced German Composition* (Holt & Co.) and Ruskin's *Præterita* are used. German grammar is carefully reviewed in Thomas's *Practical German Grammar* (Holt & Co.).

The course in Critical Reading and the course in Grammar and Prose Composition may not be elected separately, and the examination in these subjects may not be divided. The courses are open as a free elective to all students that have passed the matriculation examination in German.

Private reading: Schiller, *Die Piccolomini*, *Wallensteins Tod* (Henry Holt & Co., New York), must be read by students taking the courses in the first semester; Schiller, *Braut v. Messina*, must be read by students taking the courses in the second semester. Examinations on the private reading must be taken at the scheduled time during the semester for which the reading is assigned by all students pursuing the German courses.

The advanced standing examinations, or examinations taken without attending the college classes, in the reading and grammar of the minor, three hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under German governesses the necessary advanced knowledge, and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination on the private reading that accompanies these courses must be taken not later than the third semester after that in which the advanced standing examination is offered.

### SECOND YEAR.)

*(Given in each year.)*

### Lectures on the History of German Literature from Luther to the Romantic School, Dr. Jessen.\*

*Two hours a week throughout the year.*

These lectures are delivered in German and discuss the great classical authors, as well as the most modern poets and novelists.

Private reading: Goethe, *Italienische Reise*, and Lessing, *Nathan der Weise*, must be read by students taking the course in the first semester; Frenssen's *Jörn Uhl* and Nietzsche's *Essays*, must be read by students taking the courses in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

### *Faust-Legend* and similar legends in mediæval and modern literature; Goethe, *Faust* (1st and 2nd parts), Dr. Jessen.\*

*Two hours a week throughout the year.*

The course aims to be a comparative study of an interesting group of literary products of both mediæval and modern literature. Starting with the comparative history of such Faustlike legends in mediæval literature as those of Theophilus and Cyprian, up to Calderon's *Il magico prodigioso*, the *Faust-Legend* in its many pre-eminently English and German ramifications, will be taken up, including especially Marlowe's *Doctor Faustus*.

\* See footnote, page 74.



Goethe's *Faust* will be the centre of comparative study, showing what in it is due to Rousseauism, to Romanticism, and to other currents of thought. Faustlike literature, especially German and English, of a later date, as far as it is of literary importance will bring the consideration as far up to date as possible. The course will consist of lectures, reports and readings.

Private reading will be announced later.

### German Prose Composition and Reading, Dr. Lasch.

*One hour a week throughout the year*

In this course the students translate selected passages of difficult English prose into German. The texts are taken from Henry Craik's *English Prose*, vol. 5 (The Macmillan Co.). Treitschke, *Kleine Schriften* will be translated into English.

The course in German literature and the course in Prose Composition and Reading may not be elected separately, and the examination in these subjects may not be divided.

Private reading: Sudermann's *Johannes* must be read by students taking this course in the first semester; Hauptmann's *Hannele's Himmelfahrt* must be read by students taking this course in the second semester. Examinations on the private reading must be taken at the scheduled times during the semester for which the reading is assigned by all students pursuing the German courses.

An advanced standing examination, or an examination taken without attending the college class, in the prose composition of the major, one hour a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under German governesses the necessary advanced knowledge, and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination on the private reading that accompanies this course must be taken not later than the third semester after that in which the advanced standing examination is offered.

### Group: German with any language.

#### FREE ELECTIVE COURSE.

### Advanced German Composition, Dr. Lasch.

*One hour a week throughout the year.*

*(Given in each year.)*

Difficult English prose selections are translated into German. The intention of the course is to increase the understanding and feeling for written and spoken German. Attention is paid to the needs of students intending to teach German.

#### POST-MAJOR COURSES.

### Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Lectures on the History of German Literature from the Romantic School till 1850, Dr. Jessen.

*Two hours a week throughout the year.*

*(Given in 1915-16 and again in 1917-18.)*

This course begins with a general study of the principles of philosophy, life, art, and poetry, as represented by the Romantic School, which is followed by lectures on the literary movements, expressed mainly in lyric poetry and in the novel, which supersede the Romantic *Weltanschauung*. The lyrics of the war of liberation, the *Weltschmerz*, and the political

revolution; the novel of *Jungdeutschland*; the drama of Heinrich von Kleist; the works of the Schlegels, Tieck, Hölderlin, Jean Paul, Novalis, Uhland, Lenau, Heine, Immermann, Freiligrath, Herwegh, Gutzkow, Mörike, and Gotthelf are the principal topics discussed.

### German Literature from 1850 to the Present Time, Dr. Jessen.

*Two hours a week during the first semester.*

*(Given in 1916-17 and again in 1918-19.)*

The subject of this course is, in the first semester, the *Epigonen-Literatur*. The development of the modern German *Novelle* is discussed and Keller's, Storm's, and C. F. Meyer's works are specially studied. A full account of the poets of the *Münchener Schule* is given, as well as of Richard Wagner, Reuter, Groth, Freytag, Spielhagen, Scheffel, Rabe, Geibel, Heyse, and Schack.

### German Literature from 1850 to the Present Time (continued), Dr. Jessen.

*Two hours a week during the second semester.*

*(Given in 1916-17 and again in 1918-19.)*

In the second semester among the subjects discussed are the influence of French, Russian, and Scandinavian literatures, especially of the work of Zola and Ibsen on German literature; modern German realism and naturalism, as represented by Fontane, Anzengruber, Wildenbruch, Hauptmann, Sudermann, Liliencron, and Rosegger; the increased importance of women in literature, and the work of Marie von Ebner-Eschenbach, Luise von François, Ricarda Huch, Helene Böhlau, Isolde Kurz, Clara Viebig, and others; the significance of Nietzsche for German life and literature; Neo-romanticism and *Heimatsdichtung*.

### Advanced Critical Reading, Dr. Jessen.

*One hour a week throughout the year.*

*(Given in each year.)*

The reading is selected from works discussed in the post-major lectures on literature. The students give reports on dramas or novels, the object of the discussion being to trace the characteristics of the author, as shown in his works. Special attention will be paid to the needs of students who intend to teach German.

### Elementary Middle High German, Dr. Lasch.

*One hour a week throughout the year.*

*(Given in each year when the time of the department permits.)*

This course has been arranged primarily for undergraduate students who wish to be able to read the Middle High German classics in the original. A general acquaintance with the history of early German literature, such as may be obtained from the lectures on the history of German literature in the minor course, is presupposed. Wright's *Middle High German Primer* (2nd edition, Oxford, 1899) is used.

## GRADUATE COURSES.

Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of German and Teutonic Philology accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the post-major courses of the department, amounting to four hours a week, may be elected by graduate students.

The graduate courses offered in German Philology may be found under the head of General Teutonic Philology.

## Graduate Courses.

Graduate work in the history of modern German literature is conducted according to the seminary method. The courses are so varied that they may be followed by graduate students throughout three successive years and cover the work required of students who offer German literature as a major or a minor for the degree of Doctor of Philosophy. Students who elect German literature as their major subject in the examination for the degree of Doctor of Philosophy must offer Teutonic Philology as an associated minor and students who offer Teutonic Philology as a major subject must offer German literature as an associated minor. In the major together with the associated minor the student must offer two seminars and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

#### Seminary in German Literature, Dr. Jessen.\*

*Two hours a week throughout the year*

*(Given in each year.)*

It is hoped that the students will become familiar in the seminary with the method of scientific literary criticism and investigation.

In 1915-16 Schiller's essays on æsthetics are studied in the first semester, and modern German drama in the second semester.

In 1916-17 the Romanticism of early modern German literature will be studied in the seminary.

In 1917-18 Lessing will be the subject of study in the seminary.

#### German Literary Criticism, Dr. Jessen.

*One hour a week during the first semester.*

*(Given in 1917-18.)*

The lectures trace the development of literary and æsthetic criticism in Germany from Leibnitz to Schiller and Goethe. The course is comparative in character, and French and English literary criticism are also considered. Lessing's *Laokoön* and *Hamburgische Dramaturgie* and Schiller's essays on æsthetics are studied. A good reading knowledge of French and German is required.

#### The German Essay, Dr. Jessen.

*One hour a week during the second semester.*

*(Given in 1917-18.)*

The history of the essay in German literature is studied and the most eminent German essayists, Schopenhauer, Herman Grimm, Karl Hillebrand, Friedrich Nietzsche, etc., are discussed. The influence of French, English, and American writers, in particular Montaigne, Macaulay, and Emerson, is traced, and incidentally the evolution of modern German prose style is treated.

#### German Metrics, Dr. Jessen.

*One hour a week during the first semester*

*(Given in 1916-17 and again in 1918-19.)*

This course consists of lectures on *Deutsche Metrik* or *Verslehre*, with an introduction to phonetics, this being an indispensable *Hilfswissenschaft* for the study of German literature.

#### German Poetics, Dr. Jessen.

*One hour a week during the second semester.*

*(Given in 1916-17 and again in 1918-19.)*

Lectures are given on *Deutsche Poetik* and *Stilistik*.

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\* See footnote, page 74.

Goethe's *Faust*, Dr. Jessen.*Two hours a week throughout the year.**(Given in each year when the time of the department permits.)*

This course is intended as an introduction to the problems of *Faust-philologie*, dealing with both the first and second part of *Faust*.

## Goethe's Life and Works, Dr. Jessen.

*Two hours a week throughout the year.**(Given in each year when the time of the department permits.)*

This course aims at giving an introduction into *Goethe-philologie*.

## German Journal Club, Dr. Jessen and Dr. Lasch.

*Two hours once a fortnight throughout the year.*

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment and criticism.

## GENERAL TEUTONIC PHILOLOGY.

The instruction in this department is under the direction of Dr. Agathe Lasch, Associate Professor of Teutonic Philology. Special attention is called to the facilities for the study of comparative Teutonic philology offered by Bryn Mawr College. The English and the German departments together have provided for a complete course in Teutonic philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-Saxon, Old Saxon, Old High German, Middle High German, Middle Low German, etc.) and the study of general comparative philology.

The courses in introduction to the study of Teutonic philology, Gothic and Middle High German grammar are designed for students in their first year of graduate study in Teutonic languages and the remaining courses for students in their second or third year. The courses given in each year will be planned to meet the needs of the graduate students.

Students intending to elect Teutonic philology are advised to study Greek for at least one year during their undergraduate course.

## GRADUATE COURSES.

## Teutonic Seminary, Dr. Lasch.

*Two hours a week throughout the year.**(Given in each year.)*

This seminary is arranged for the benefit of the most advanced students in Teutonic philology. Its object is to encourage independent work on the part of the students. The work consists mainly of the discussion of special topics by the instructor and the students. Members of the seminary are expected to study the literature on these subjects, and to make an effort to contribute some additional material, or an independent opinion of their own.

In 1915-16 Old High German texts such as *Merseburger Zaubersprüche*, *Muspilli*, and *Hildebrandslied* are studied in the first semester. The many problems that these texts



offer and the various attempts to solve them are discussed. In the second semester modern High German texts are the subject of the seminary.

In 1916-17 the subjects of the seminary will be taken from Middle High German texts. Problems in text criticism as well as literary problems connected with the works of Middle High German poets either of the classical period or of the periods preceding or following it will be discussed.

In 1917-18 the seminary will be devoted to High German texts from the fourteenth to the seventeenth century. The material will be taken either from official documents of this period belonging to various parts of Germany or from the works of writers such as Murner, Hans Sachs, Luther, and others; or from grammatical works of this period in Müller's *Quellenschriften und Geschichte des deutschsprachlichen Unterrichts*, John Meier's *Neudrucke älterer deutscher Grammatiken*, etc. They are selected to illustrate the development of Modern High German. If it seems advisable Old Saxon texts (*Heliand* and *Genesis*) will also be studied.

The order of these seminary subjects may be changed in accordance with the requirements of the students in any particular year.

### Introduction to the Study of Teutonic Philology, Dr. Lasch.

*One hour a week throughout the year.*

*(Given in each year.)*

After a discussion of the aim and method of historical and comparative grammar, these lectures deal with the relation of Teutonic to the cognate Aryan languages. A brief sketch of the single Aryan languages is given, followed by a more comprehensive discussion of the Teutonic languages and chiefly of the West Germanic branch.

### Gothic, Dr. Lasch.

*Two hours a week throughout the year.*

*(Given in each year.)*

Gothic phonetics and inflection are studied in connection with the elements of comparative Aryan grammar; on the other hand the Gothic forms are compared with those of other Teutonic languages. Braune's *Gotische Grammatik* (8th ed., Halle, 1912); or Streitberg's *Gotisches Elementarbuch* (3rd ed., Heidelberg, 1910) are used as text-books.

As a thorough knowledge of Gothic is the foundation of the study of historical and comparative Teutonic grammar, every graduate student of Teutonic grammar is advised to take this course as early as possible. *Die gotische Bibel* (ed. by W. Streitberg, Heidelberg, 1908) is used by the more advanced students.

### Middle High German Grammar and reading of Middle High German Texts, Dr. Lasch.

*Two hours a week throughout the year.*

*(Given in each year.)*

This course includes a brief abstract of Middle High German grammar and literature with special reference to the difference between Middle High German and Modern German, and a study of the most prominent authors in Middle High German. Selections from classical Middle High German poets are read, and also selections from the *Nibelungenlied*, a brief account being given of the history and development of the *Nibelungenlied* and its manuscripts.

Students of Middle High German should be provided with Paul's *Mittelhochd. Grammatik* (8th ed., Halle, 1911), or Michels's *Mittelhochd. Elementarbuch* (2nd ed., Heidelberg, 1912).

This course is required of all students that make Teutonic philology a minor subject in their examination for the degree of Doctor of Philosophy.

The private reading includes the works of the authors treated in the course.

### Middle Low German, Dr. Lasch.

*One hour a week throughout the year.*

*(Given in each year.)*

A sufficient knowledge of Old Saxon is presupposed on the part of students taking this course. The Middle Low German grammar will be studied and representative Middle Low German texts are read. This course may be substituted for the course in Middle High German in accordance with the requirements of the students in any particular year.

## Old Norse, Dr. Lasch.

*Two hours a week throughout the year.**(Given in each year.)*

Students entering this course are supposed to be acquainted with Gothic and with Anglo-Saxon or Old High German grammar. In the grammatical part of the course the Norse sounds and forms are studied and compared with those of the Gothic and West-Germanic dialects.

In the first year's course prose texts will be read; in the second year the Edda will be studied and some of the problems connected with the study of the Edda will be discussed.

The books used are Heusler's *Altisländisches Elementarbuch* (Heidelberg, 1913) and some of the *Islendinga sögur* (*Altnordische Saga-Bibliothek*) and Hildebrand-Gering's (3d ed., Paderborn, 1913) or Neckel's (Heidelberg, 1914) *Edda*.

Attention is called to the facilities afforded for the study of Old Norse. A considerable portion of the library of the late philologist, Th. Wisén, of Lund, was acquired by Bryn Mawr College, and hence the library is probably as well supplied as any other college library in the United States with Old Norse texts, and works on Old Norse language and literature.

## Old High German, Dr. Lasch.

*Two hours a week throughout the year.**(Given in 1915-16 and again in 1917-18.)*

This course includes a practical study of Old High German grammar, and a comparison of the Old High German sounds and forms with those of Gothic, Middle and Modern High German. The relations with other cognate languages of the Teutonic branch as well as other Aryan languages (chiefly Latin) are also discussed. Selections are read from Old High German texts, arranged so as to proceed from easy to more difficult pieces, and to illustrate the difference between the Old High German dialects.

## Comparative Teutonic Grammar, Dr. Lasch.

*One hour a week throughout the year.**(Given in 1915-16 and again in 1917-18.)*

The study of comparative Teutonic philology is recommended to those students only who are acquainted with the single old Teutonic languages, and have studied Gothic, Old High German, Old Saxon, Anglo-Saxon, and Norse. The object of the course is to compare the various old Teutonic languages with each other and with the related Aryan languages,—or in other words (1) to reconstruct the primitive Teutonic language; (2) to point out the characteristic features of primitive Teutonic in distinction from primitive Aryan; (3) to carry down the history of early Teutonic from the period of unity into the early stages of the individual Teutonic languages.

## Old Saxon, Dr. Lasch.

*Two hours a week during the second semester.**(Given in 1916-17 and again in 1918-19.)*

The work presupposes on the part of the students a sufficient knowledge of Gothic and Old High German. Holthausen's *Altsächsisches Elementarbuch* (Heidelberg, 1900) or Gallée's *Altsächsische Grammatik* (2nd ed., Halle, 1910), *Heliand* (Behagel's edition), and Zangemeister-Braune's *Bruchstücke der altsächsischen Bibeldichtung* (Heidelberg, 1894) are used.

## History of Modern High German, Dr. Lasch.

*One hour a week throughout the year.**(Given in 1916-17 and again in 1918-19.)*

These lectures deal with the history of the development of the German written language during the Modern High German period. The most important *Kanzleisprachen*, the most prominent *Druckersprachen*, Luther, Modern German sounds and forms in their relation to the German dialects and to the rules of the *Bühnenaussprache*, will be discussed.

In addition to the above courses, others in Old Frisian, or Modern Low German may be arranged for students that have previously studied Gothic, Old and Middle High German, Anglo-Saxon, and Old Saxon.

## ROMANCE LANGUAGES.

**French.**

The instruction in this department is under the direction of Dr. Jean Baptiste Beck, Associate Professor of Mediæval French Literature; Dr. Eunice Morgan Schenck, Associate in French and Associate Professor (elect) of Modern French Literature, Dean of the College (elect); Dr. Pierre François Giroud, Non-resident Lecturer in French, Mr. Charles Vatar, Associate (elect) in Modern French Literature and Italian, and Miss Ellen Thayer, Reader in French.

The instruction offered in French covers thirty-one hours of lectures and recitations a week; it includes five hours a week of matriculation French; ten hours a week of undergraduate major and minor work; five hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in French; and eleven hours a week of graduate work in modern French literature and in Old French literature and language. All the courses in French except the matriculation course are conducted in the French language.

**Matriculation Course.**

A class for beginners in French five hours a week throughout the year, is provided, in order that those students whose matriculation examination did not include French may with less difficulty obtain the reading knowledge of it that they must possess before receiving a degree. By great diligence such students may acquire sufficient knowledge to be admitted should they desire it, into the first year of the major course in French. This course is given by Miss Thayer.

**Major Course.**

Entrance to the major course in French presupposes as much knowledge as is required to pass the matriculation examination in this subject.

**FIRST YEAR.***(Minor Course.)*

Lectures on the history of French Literature of the nineteenth century, accompanied by collateral readings from representative French authors, Dr. Beck.

*Two hours a week throughout the year.*

*(Given in each year.)*

These lectures are delivered in French, and students are expected to take notes and answer questions in French. The aim of the course is to train the students to follow lectures in French as well as to give them a general survey of Modern French literature. This course was given in 1915-16 and will be given again in 1917-18 by Dr. Beck.

Private reading: Chateaubriand, *Atala* and *René*, V. Hugo, *Hernani* and *Ruy Blas*. must be read by students taking the course in the first semester. Maeterlinck, *Pélléas*



*et Méliande, l'Intruse* and *La Mort de Tintagiles*, must be read by students taking the course in the second semester. Examinations on the private reading must be taken at the scheduled time during the semester for which the reading is assigned by all students pursuing the French courses.

Critical Readings in French prose and poetry. Practical Exercises in French Syntax and Composition, Mr. Vatar.

*Two and a half hours a week throughout the year.*

*(Given in each year.)*

In the first semester selections from Taine's *Origines de la France Contemporaine* are read; in the second semester selections from the poetry of Victor Hugo are read and a special study is made of the Napoleonic cycle of poems. Some of Napoleon's speeches and proclamations are also read. This course was given by Dr. Schenck in 1915-16.

In the course in syntax and composition Goodrich, *French Composition*, is used.

Private reading: Vigny, *Servitude et Grandeur Militaire*, must be read by students taking the course in the first semester; Rostand, *L'Aiglon* and Musset, *Fantasio*, must be read by students taking the course in the second semester. Examinations on the private reading must be taken at the scheduled time during the semester for which the reading is assigned by all students pursuing the French courses.

Critical Reading and Phonetics, Miss Thayer.

*One half hour a week throughout the year.*

The aim of the course is to ensure a correct pronunciation and inflection and some facility in speaking French. The class is divided into groups of five or six students, each group meeting one hour a week throughout the year for instruction in phonetics and oral practice.

The courses in Critical Readings and Phonetics may not be elected separately.

The advanced standing examinations, or examinations taken without attendance on the college classes, in the reading and composition of the minor, three hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under French governesses the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination in translation will consist of sight translation from French (usually poetry) into English. V. Hugo's *Les Châtiments* (Hachette, Paris), *La Légende des Siècles*, *id.* (the first two volumes), or Schinz's *Selections from Victor Hugo* (Heath, Boston) will give an idea of the kind of translation required. The examination in composition will as a rule consist in translating a few detached sentences of every-day idiomatic English, such as may be found in Sweet's *Primer of Spoken English*, or the German edition of it (*Elementarbuch des Gesprochenen Englisch*. Oxford, Clarendon Press), or Chardenal's *French Exercises for Advanced Pupils* (Allyn and Bacon, Boston). The private reading examinations must be taken not later than the third semester after that in which the advanced standing examination is offered.

## SECOND YEAR.

*(Given in each year.)*

Lectures on the history of French Literature in the seventeenth century accompanied by collateral reading, Mr. Vatar.

*Two hours a week throughout the year.*

This course was given by Dr. Giroud in 1915-16.

Private reading: First semester, Doumic, *Histoire de la Littérature française, xvie et xviii siècles*; Corneille, two chosen from *Le Cid*, *Horace*, *Cinna*, *Polyeucte*; Molière, three chosen from *Les Précieuses Ridicules*, *La Critique de l'Ecole des femmes*, *Tartuffe*, *Le Misanthrope*.



Second semester, Racine, two chosen from *Andromaque*, *Britannicus*, *Phèdre*, *Athalie*, Bossuet, *Oraison funèbre d'Henriette d'Angleterre* or *Oraison funèbre du prince de Condé*, Pascal, *Pensées* (extracts); Fénelon, *Lettre à l'Académie*; Labruyère, *Caractères* (extracts)

Studies in French Style, Composition, etc., Miss Thayer.

*One hour a week throughout the year.*

This course must be taken together with the course in history of French literature. It was conducted by Dr. Beck in 1915-16.

Critical Readings and Studies in French Romantic Drama of the nineteenth century, Dr. Schenck.

*Two hours a week throughout the year.*

This course deals especially with the effect of foreign influences on the development of French romantic drama. It was given by Dr. Giroud in 1915-16.

Private reading: Doumic, *Histoire de la littérature française; le Drame romantique*. V. Hugo, *Hernani*, *Marion Delorme*, *Ruy Blas*, must be read by students taking the courses in the first semester; A. de Vigny, *Chatterton*; Alex. Dumas, *Henri III et sa cour*, *Anthony*; A. de Musset, *On ne badine pas avec l'amour*, *Carmosine*, must be read by students taking the courses in the second semester. Examination on the private reading must be taken at the scheduled time during the semester for which the reading is assigned by all students pursuing the French courses.

The advanced standing examinations or examinations taken without attendance on the college classes in the reading and composition of the major, one hour a week for two semesters may be taken by those students only who are able to submit satisfactory evidence, that they have obtained before entering the college by regular and systematic study, or by residence abroad or work under French governesses, the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination in translation will consist of sight translation from French (usually poetry) into English. V. Hugo's *Les Châtiments* (Hachette, Paris), *La Légende des Siècles*, *id.* (the first two volumes), or Warren's *Selections from Victor Hugo* (Holt, New York) will give an idea of the kind of translation required. More difficult passages will be selected than for the minor advanced standing examination. The composition consists of one or two pieces of connected English, taken from such books as Stevenson's *Treasure Island*, Jerome K. Jerome's *Idle Thoughts of an Idle Fellow*. No specific question in French grammar is asked; students are expected to show their knowledge of grammar in the composition. Cameron's *The Elements of French Composition* (Holt, New York), and Storm's *French Dialogues* (Macmillan, London) will be found useful in composition work. The private reading examinations must be taken not later than the third semester after that in which the advanced standing examination is offered.

*Group: French with Italian and Spanish, or with any language, or with Modern History, or with History of Art.*

#### FREE ELECTIVE COURSE.

French Phonetics for Teachers, Miss Thayer.

*One hour a week throughout the year.*

*(Given in 1916-17.)*

The lectures of the first semester deal with the principles of French phonetics and their application to the difficulties of English speaking students. Special attention is paid to any faults in the pronunciation of the students taking the course and corrective exercises are assigned. The work of the second semester is on methods of French oral teaching. Students are required to give oral reports and specimen lessons.

**Free  
Elective  
Course.**

## POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

*Post-Major Courses.*

## Rabelais and the Satire in French Literature, Dr. Beck.

*Three hours a week throughout the year.*

*(Given in 1916-17.)*

This course gives first a general survey of satiric literature in France from the earliest time to the Renaissance. The "*servantes*" is the representative of personal, political and religious satire. The *fabliaux* and *contes* represent the popular social satire. Caricature and satire in Mediæval Art. The predecessors of Rabelais: Rustebuef, Coquillart and Villon. Rabelais as a man, as a humanist and as a satirical philosopher; his literary technique; his influence upon French and English writers.

## French Lyric Poetry of the Nineteenth Century, Mr. Vatar.

*Two hours a week throughout the year.*

*(Given in 1916-17 and again in 1918-19.)*

In the first semester the lectures treat lyric poetry until the year 1866. Special attention is paid to the period from 1850 to 1866. Lamartine, Hugo, Sainte-Beuve, Vigny, and Musset are studied only so far as is necessary for the understanding of the evolution of lyric poetry in their successors, Baudelaire, Gautier, Banville, Leconte de Lisle, Sully Prudhomme, Coppée, Mendès, etc. The lectures of the second semester treat lyric poetry from 1866 to the present day. A careful study is made of the Parnassian school. Throughout the course the lectures are supplemented by the critical reading of texts.

## Molière and the French Comedy, Mr. Vatar.

*Three hours a week throughout the year.*

*(Given in 1917-18.)*

After a study of the comic elements in Mediæval epic and dramatic literature, the nature of Molière's "comique" is analyzed and compared with that of his predecessors. Molière's influence upon French and foreign comedy as a psychologist and as a playwright is discussed.

The Short Story (*Nouvelle*) in the Nineteenth Century, Dr. Schenck.

*Two hours a week throughout the year.*

*(Given in 1915-16 and again in 1917-18.)*

In the first semester the *nouvelles* of the romantic period are studied in the works of Chateaubriand, Nodier, Vigny, Musset, Balzac, Mérimée, and Gautier. The lectures of the second semester treat the development and modification of realism by Flaubert, Zola, Daudet, Coppée, Loti, Bourget, France, and others, while a careful study of the technique of the *nouvelle* is made in connection with Maupassant.

## Modern French Drama, Dr. Giroud.

*Three hours a week throughout the year.*

*(Given in 1915-16.)*

The lectures deal with post-romanticism, realism, and mysticism on the French stage, Rostand, Brieux and Maeterlinck being especially studied.

## GRADUATE COURSES.

Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of French, accompanied by the direction

*Graduate Courses.*

of private reading and original research. The courses, covering the field of Old and Modern French Language and Literature are arranged to form a triennial cycle. The work of each year centers around one main topic to be studied as a part of the history of French literature in its various relations to the general literature and civilisation of the period concerned. Students may enter the seminary in any year and pursue it during three or more consecutive years. The members of the seminaries report on theses assigned them at the beginning of each semester.

Students who choose French literature as their major subject in their examination for the degree of Doctor of Philosophy must offer French philology as the associated minor and students who offer French philology as a major subject must offer French literature as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council. In the major together with the associated minor the student must offer two seminaries and a journal club for three years.

*Literature.* Seminary in Mediæval French Literature, Dr. Beek.

*Three hours a week throughout the year*

*(Given in each year.)*

The work expected of graduate students in the seminary in Mediæval French Literature consists of a palæographical analysis of the original manuscripts, a cursory interpretation of the texts, a review of the opinions expressed by the respective specialists on each subject and a critical discussion of the comparative value of the work in question. These reports are intended to train graduate students in literary research. The courses in other Romance Languages (Italian and Spanish) and also those in Middle English are recommended to students in mediæval French literature. During her first year of work in this seminary each student is required to take also the course in Old French Philology, unless she has already taken a corresponding course.

In 1915-16 Lyric Poetry during the Middle Ages is synthetically studied. Beginning with the hymns and anthems of the Church, the formation of the various types of vernacular lyric poetry in France is investigated. The Art of the Troubadours and Trouvères is compared with the songs of the so-called Goliards (*Carmina Burana*), with those of the Sicilian poets, and of the Minnesinger, in order to establish to what extent French Poetry has influenced them, both as to form and as to thought. Other subjects discussed are: the predominant musical character of lyric poetry throughout the Middle Ages; three periods, from the artistic monopoly of the Clercs to the Nobility, then to the aristocratic Bourgeoisie and finally to the People; the *Ars Nova* and the influence of fourteenth century Italian poetry upon the French Chanson of the fifteenth century.

In 1916-17 the Evolution of Epic and Dramatic Literature, from the twelfth to the sixteenth century, will be studied in the seminary. The development of actual stage drama from the primæval liturgical ceremonies; these and the epic parts of Scripture gave birth to the *Mystères*; the dramatic elements contained in mediæval lyrics, such as the *Aubes*, *Pastourelles*, *Jeux-Partis* and in the dialogue forms of certain types, such as the *Chansons à danse*; the primitive Opera comique, a combination of lyrics and epics: *Aucassin et Nicolette*, *Robin et Marion*, *le Jeu de St. Nicolas*, etc.

In 1917-18 the subject of the seminary in Mediæval French Literature will be the Origin of French Literature, from the earliest documents to the twelfth century. The literary products of this period are read and interpreted from photographic reproductions of the original manuscripts. The main emphasis is laid upon the development of mediæval literature from the previous Middle Latin literature, to show the interrelations between literature written in the various languages and dialects, both Romanic and Germanic, and the religious literature, and to illustrate the international character of literature during that period. The origin of mediæval lyric poetry is derived from the *Tropes* and *Sequences* of St. Martial de Limoges and of St. Gall, the Epic Poetry from the *Lives*



of Saints and the dramatic literature from the Liturgy of the Church. The absolute unity of mediæval art in the conception of the authors and artists of the Romanesque and Gothic periods will be illustrated by the mutual connections between the various literary genres and the different branches of fine arts, such as architecture, sculpture, painting and music.

#### Seminary in French Literature, Dr. Giroud.

*Two hours a week throughout the year.*

*(Given in 1915-16.)*

In 1915-16 the subject of the seminary is Molière. The subjects studied are French Comedy before Molière; Molière's comedies, their Latin, Italian, and French sources; his style and method of composition; the nature of his "comique," his philosophy and his morality. Taken with the one hour course in Romanticism and Realism this counts as a seminary towards the degree of Doctor of Philosophy.

#### Seminary in French Literature, Dr. Schenck.

*Two hours a week throughout the year.*

*(Given in each year.)*

In 1916-17 the subject of the seminary will be phases of Romanticism and Realism in the 19th century as illustrated by Chateaubriand, Madame de Stael, Hugo, Gautier, Stendhal, Flaubert, Renan and Taine. The seminary will open with a study of the origins of Romanticism in Jean Jacques Rousseau, and the relation of the early French Romanticists to Schlegel, Simondi and others will be considered.

In 1917-18 the subject of the seminary will be Montaigne. Various problems connected with his life, his relations to Protestantism and to the political problems of his time, the question of the authorship of the *Discours sur la servitude volontaire*, the origin and sources of the essays, Montaigne and the Renaissance, and Montaigne and Plutarch are discussed. A special study is made of Montaigne's style and of the *Apologie de Raymond de Sebonde*.

In 1918-19 the subject of the seminary will be Molière. The subjects studied are French Comedy before Molière; Molière's comedies, their Latin, Italian, and French sources; his style and method of composition; the nature of his "comique," his philosophy and his morality.

The order of these seminary subjects may be changed in accordance with the requirements of the students in any particular year.

#### The Romanticism and Realism of Flaubert, Dr. Schenck.

*One hour a week throughout the year.*

*(Given in 1915-16.)*

The introductory lectures deal with the decline of romanticism and the rise of realism in France. A careful study is made of Flaubert's method based on the three versions of the *Tentation de Saint Antoine*, the *Correspondance*, etc. The investigations of René Descharmes, René Dumesnil and others are examined.

#### Introduction to Romance Philology, Dr. Beck.

*Two hours a week throughout the year.*

*(Given in each year.)*

The course in Romance Philology is designed to be a linguistic complement to the Seminary in Mediæval French Literature and must be taken by every member of this seminary during her first year. It is also required of all students who choose French as a minor subject in the examination for the degree of Doctor of Philosophy and recommended to students from other Modern Language departments who wish to acquire a reading knowledge of Old French and an outline of Mediæval French literature. The first semester is devoted chiefly to historical grammar of the Romance Languages, especially of Old French, Old Provençal, Old Italian and Old Spanish. During the second semester selections from the most typical genres are read in the order of their evolution so as to give the students an adequate idea of the origin and a summary idea of the develop-



ment of Old French Literature in particular. The students are also made acquainted with mediæval paleography and other auxiliary disciplines. Experimentation with philological methods prepares the students to do research work.

Students of Old French should be provided with E. Monaci's *Facsimili di documenti per la storia delle lingue e delle letterature Romanze*, W. Foerster's *Allfranzosisches Lesebuch* and K. Bartsch's *Chrestomathie de l'Ancien Français*, 11th edition.

Advanced Old French Philology, Dr. Beck.

*One hour a week throughout the year.*

*(Given in each year.)*

The influence of Mediæval Latin upon the formation of the Old French literary language is studied. After an introduction to Mediæval Latin philology, the linguistic value of mediæval grammars, glosses, commentaries and interlinear translations is examined.

The Influence of Mediæval Latin Poetry upon Romance and Teutonic Versification, Dr. Beck.

*One hour a week throughout the year*

*(Given in 1917-18 and again in 1918-19.)*

The linguistic difference between Classical and Low Latin explains the change from quantitative to qualitative prosody. The fundamental difference between the rhythmical nature of Teutonic and Romance languages explains the dissimilarity in their respective versification. The origin of Rime and of Isosyllabism in French.

Students who take this course are supposed to be familiar with classical and mediæval literature

The Foundations of French Grammar, Dr. Beck.

*One hour a week throughout the year.*

*(Given in 1916-17 and in each succeeding year.)*

This course is intended to train teachers to be able to give a rational explanation of the various functions of parts of speech and to dispense with mechanical grammatical rules.

Romance Languages Journal Club, Dr. DeHaan, Dr. Holbrook, Dr. Beck, Dr. Schenck and Mr. Vatar.

*One and a half hours a fortnight throughout the year*

The journal club is intended to make the advanced students familiar with all the important European periodicals and with new books dealing with Romance Philology. For each session of the club an important article chosen from some one of the various periodicals is assigned to a student for review. The student is also referred to previous articles or publications treating of the same subject as that of the review, and is expected to present to the club a chronological outline of the history and stages of the discussion on the given point. Thus the students become familiar with the names of leading Romance scholars and with the particular lines of research in which each of the latter excels. At the same time such reviews prepare the way for seminary work and original investigations.

## Italian.

The instruction in this department is under the direction of Dr. Richard Thayer Holbrook, Associate Professor of Italian.

The instruction offered in Italian covers seven hours of lectures and recitations a week; it includes five hours a week of undergraduate minor and major work; and two hours a week of graduate work.

A combination of five hours a week for one year of the minor course in Italian with five hours a week for one year of the minor course in Spanish forms a major course and may be taken with any other language to form a group. Any of the undergraduate courses in Italian may be taken as free elective courses.

## FIRST YEAR.

(Minor Course.)

(Given in each year.)

Italian, Dr. Holbrook.

*Five hours a week throughout the year.*

(May be taken as a free elective.)

**Major  
Course.**

This course is designed to prepare beginners for the study of Italian literature, as well as for the practical use of the language. Reading is taken up from the start, a careful pronunciation is insisted upon, and the essentials of the grammar are taught by a critical observation of the texts used and by graded exercises in the rendering of English into Italian.

In 1916-17 this course will be given by Mr. Vatar. In the second semester the reading of Dante's *Inferno* will be begun.

## SECOND YEAR.

Italian Classical Literature, Dr. Holbrook. *Five hours a week throughout the year.*

(Given in 1915-16.)

The work in this course is to study selections in verse and prose from Ariosto and Tasso, then all the *Inferno* and parts of the *Purgatorio* and *Paradiso*. For Ariosto and Tasso the study of difficult modern prose and poetry may be substituted, with exercises in writing and speaking. Training in pronunciation is given throughout the course. The lectures in literature are delivered in Italian.

*Group:* Italian or Italian and Spanish with any language, or Italian with History of Art.

## GRADUATE COURSES.

The graduate seminary in Italian is varied from year to year in order that it may be pursued by a student for consecutive years. Students electing Italian as a major subject for the degree of Doctor of Philosophy are required to offer French philology as an associated minor. For the list of approved independent minors see the Regulations of the Academic Council. The books needed by graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries.

**Graduate  
Courses.**

Italian Seminary, Dr. Holbrook.

*Two hours a week throughout the year.*

(Given in each year.)

This seminary presupposes a knowledge of Old French Philology and the equivalent of the minor and major courses in Italian offered at Bryn Mawr College. The work is founded upon the treatise entitled *Die Italienische Sprache* by D'Ovidio and Meyer Lübke in

Grober's *Grundriss* (Strassburg, 1906). Various passages from thirteenth and fourteenth century authors are examined critically from a phonological and morphological point of view.

Romance Languages Journal Club, Dr. DeHaan, Dr. Hollbrook, Dr. Beck, Dr. Schenck and Mr. Vatar.

*One and a half hours a fortnight throughout the year.*

The instructors and advanced students meet to report on and discuss recent reviews and critical articles.

## Spanish.

The instruction in this department is under the direction of Dr. Fonger DeHaan, Professor of Spanish.

The instruction offered in Spanish covers sixteen hours of lectures and recitations a week; it includes ten hours a week of undergraduate minor and major work; and six hours a week of graduate work.

A combination of five hours a week for one year of the minor course in Spanish with five hours a week for one year of the minor course in Italian forms a major course, and may be taken with any other language to form a group. Students may thus elect ten hours of Spanish, or five hours of Spanish and five hours of Italian to form a major course.

### FIRST YEAR.

*(Minor Course.)*

*(Given in each year.)*

### **Major Course.**

Spanish, Dr. DeHaan.

*Five hours a week throughout the year.*

The object of this course is to give beginners a good knowledge of modern Spanish.

The first six weeks are given to the essentials of grammar; exercises at frequent intervals during the first semester give practice in the application of the principles; the remaining time is given to reading prose texts. In the second semester exercises in composition are continued but a greater proportion of the time is given to reading; plays in prose and in verse are read and attention is paid to versification.

### SECOND YEAR.

*(Given in each year.)*

Spanish, Dr. DeHaan.

*Five hours a week throughout the year.*

The work of the first year course is extended by the reading of moderately long and fairly difficult novels by representative modern authors, and some plays in verse, preferably of the classical period. Passages of continuous English prose are translated into Spanish.

*Group:* Spanish, or Italian and Spanish with any language, or Spanish with History of Art.

## GRADUATE COURSES.

**Graduate Courses.**

Six hours a week of seminary work and graduate lectures are offered each year to graduate students of Spanish accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries.

The graduate seminary in Spanish is varied from year to year in order that it may be pursued by a student for consecutive years. Students electing Spanish as a major subject for the degree of Doctor of Philosophy are required to offer French philology as an associated minor. For the list of approved independent minors see the Regulations of the Academic Council.

Seminary in Spanish, Dr. DeHaan. *Three hours a week throughout the year.*  
(Given in each year.)

In 1915-16 the dramatic works of Moreto are the subject of the seminary. They are studied with regard to their place in Spanish literary history and as expressive of the social conditions in the Spain of their time.

In 1916-17 Cervantes, especially the *Novelas Ejemplares* will provide the material for investigation

Spanish Philology, Dr. DeHaan. *One hour a week throughout the year.*  
(Given in each year.)

Old Spanish Readings, Dr. DeHaan. *One hour a week throughout the year.*  
(Given in each year.)

Romance Languages Journal Club, Dr. DeHaan, Dr. Holbrook, Dr. Beck, Dr. Schenck and Mr. Vatar.

*One and a half hours a fortnight throughout the year.*

The instructors and advanced students meet to report on and discuss recent reviews and critical articles.

## SEMITIC LANGUAGES AND BIBLICAL LITERATURE.

The instruction in this department is under the direction of Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages. The instruction offered in this department includes three hours a week of Oriental History, three hours a week of free elective courses in Biblical Literature, and six hours a week of graduate courses in Semitic Languages.

The college was particularly fortunate in securing in the year 1892 the library of the late M. Arthur Amiaud, of Paris. While M. Amiaud was especially eminent as an Assyriologist, he was also prominent as a general Semitic student. His library was the collection of an active scholar, and forms a working library for the student in every department of Semitic study. It is



especially rich in the Hebrew, Syriac, and Assyrian languages, containing several works, indispensable to the student, which are now out of print. Another Semitic library containing many works on the Talmud and on Jewish literature was acquired in 1904. In 1907 Mr. Albert J. Edmunds presented to the college his library of 500 volumes on the history of religion. The contents of these libraries, together with the books already owned by the college and those easily accessible in neighboring libraries, form an exceptionally good collection of material for the specialist in Semitic languages. A good working collection of cuneiform tablets is under the control of the department, and affords an excellent opportunity for students of Assyrian to become familiar with original documents.

#### MINOR COURSE.

*(Given in each year.)*

#### **Minor Course.**

Oriental History, Dr. Barton.

*Three hours a week throughout the year.*

(May be taken as a free elective or may be substituted for part of the second year of required science, or part of the minor course in ancient history.)

This course treats in broad outlines the history and civilisation of the classical orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal oriental nations, Egyptians, Babylonians, Assyrians, Phœnicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archaeological specimens and by photographs. Either semester may be elected separately.

#### FREE ELECTIVE COURSES.

#### **Free Elective Courses.**

The courses in Biblical Literature are intended primarily for undergraduate students, but may be elected by graduate students also.

History of the New Testament Canon, Dr. Barton.

*One hour a week throughout the year.*

*(Given in 1915-16 and again in 1917-18.)*

This course, which alternates with the course on the Old Testament Canon, consists of a study of the New Testament.

The History of Christian Doctrine, Dr. Barton.

*Two hours a week throughout the year.*

*(Given in 1915-16 and again in 1917-18.)*

In the first semester Christianity is studied as presented by its Founder and by the apostles, and in the second semester the history of Christian doctrine from 100 A. D. to the present time is briefly reviewed, and problems presented by modern thought are touched upon.

**History of the Old Testament Canon, Dr. Barton.***One hour a week throughout the year.**(Given in 1916-17 and again in 1918-19.)*

In this course the history of the composition and collection of the books of the Old Testament is studied. The instruction is given in lectures, and readings are assigned in the Old Testament itself and in modern literature concerning it.

**New Testament Biography, Dr. Barton.** *Two hours a week throughout the year.**(Given in 1916-17 and again in 1918-19.)*

The first semester of this course is devoted to a careful study of the life and teaching of Christ; the second semester to the life and teaching of St. Paul. The instruction is given in lectures, and the Gospels and Epistles are read together with the most helpful of the modern works on these topics. The course is illustrated by photographs of the most important places connected with the lives of Christ and St. Paul.

**GRADUATE COURSES.**

Seminary work and graduate lectures amounting to at least five hours a week are offered each year to graduate students of Semitic languages and Biblical Literature accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the elective courses of the department amounting to three hours a week may be elected by graduate students.

**Graduate Courses.**

The graduate courses in Semitic languages are varied from year to year, as indicated below, so that they may be pursued by a student for four successive years. Those who offer Semitic languages as the major subject in the examination for the degree of Doctor of Philosophy are required to spend in Semitic work half their time for at least three years.

The work of the department is so arranged that students may specialize in Hebrew or Assyrian. Students who offer Hebrew or Assyriology as the major subject in the examination for the degree of Doctor of Philosophy must possess a knowledge of the grammatical forms of five Semitic languages and in this enumeration Syriac and Jewish Aramaic may not count as separate languages. For a list of approved associated and independent minors see the Regulations of the Academic Council.

The regular alternation of courses is indicated below and at least five hours a week will be given in each year, the courses being selected according to the needs of the graduate students. Graduate students may enter in any year of the four years' course, as there will be afforded each year an opportunity for graduate students to begin Hebrew.

The following courses are offered in 1915-16 and again in 1917-18:

**Semitic Seminary, Dr. Barton.***Two hours a week throughout the year.*

This seminary is devoted to Hebrew or Assyrian, the languages that may be offered as major subjects for the doctor's degree. The time may be devoted to one of these languages, or may be divided between the two, according to the needs of the students. In Assyrian the subject may be chosen from one of the following: the oldest Babylonian

inscriptions, temple archives of Telloh, Sumerian hymns, the code of Hammurabi, Semitic contracts or mythological poetry. In Hebrew one of the following subjects may be selected: the historical books, Job, the Psalter, Isaiah, Jeremiah, Ecclesiastes, and the Song of Songs, or Hebrew Epigraphy. In the Hebrew seminary the students are trained in textual criticism through the use of the ancient versions.

### Elementary Semitic Languages, Dr. Barton.

*Two hours a week throughout the year.*

This course may be devoted to the elements of Hebrew, or of Aramaic (Syriac and Jewish Aramaic), or Assyrian, or Arabic according to the needs of the students. The time may, if necessary, be divided between two of these languages.

### Seminary in New Testament Greek, Dr. Barton.

*One hour a week throughout the year.*

The work of the seminary is varied from year to year, so that a continuous course, covering the interpretation and the literary problems of the entire New Testament and the sub-Apostolic literature, may be pursued through four years. A year is devoted to the New Testament Epistles, another to the interpretation of the Gospels and the Synoptic and Johannine problems, a third to the books of Acts and Revelation, and a fourth to the Apostolic Fathers. During the first year of her work each student is given guidance in a course of reading on the history of the text and the science of textual criticism and also guidance in the practice of this discipline.

### Egyptian, Dr. Barton.

*One hour a week throughout the year.*

The elements of Egyptian and Coptic grammar are taught, and some texts in each language interpreted.

### Seminary in the History of Religion, Dr. Barton.

*One hour a week throughout the year.*

By means of lectures, reports, and discussions the principal features of primitive religions are ascertained, and the principal civilized religions studied with special reference to origin, historical development, and religious point of view.

The following courses are offered in 1916-17 and again in 1918-19.

### Semitic Seminary, Dr. Barton.

*Two hours a week throughout the year.*

The work of the seminary is continued as given in 1915-16.

### Seminary in Aramaic and Arabic, Dr. Barton.

*Two hours a week throughout the year.*

This seminary is devoted to Arabic or Aramaic the languages that may be offered as minor subjects for the doctor's degree. The time may be devoted to one of the languages, or may be divided between the two, according to the needs of the students. In Arabic the subject may be chosen from one of the following: the Coran, pre-Islamic poetry, Arabic geographers, or South Arabic inscriptions. In Aramaic, one of the following subjects may be selected: a comparative study of the Syriac Versions of the Gospels, the Syriac Version of one of the Old Testament books, the writings of Gregory Bar Hebraeus, or of Efraem, the Targum on one of the Old Testament books, the Talmud, or Aramaic inscriptions.

### Comparative Semitic Grammar, Dr. Barton.

*One hour a week throughout the year.*

The grammar of Brockelmann is used as a basis with comparisons from the Egyptian and other Hamitic languages.



**Ethiopic, Dr. Barton.***One hour a week throughout the year.*

The grammar and *Chrestomathia* of Praetorius and Dillmann are used, and in the latter part of the course selections are read from the book of Enoch.

**Hebrew Literature, Dr. Barton.***One hour a week throughout the year.*

This course is devoted to a study of the Prophets, the Pentateuch, and the historical books of the Old Testament.

**Seminary in Oriental Archæology, Dr. Barton.***One hour a week throughout the year.*

The work of this course may be devoted to the archæology of Mesopotamia, Palestine, or Egypt according to the needs of the students. It consists of extensive courses of reading in the literature of the subject, together with a study of photographs and archæological objects, of reports, criticisms, conferences, and occasional lectures. To meet the needs of students of ancient history the seminary may in some years be devoted to the history of one of the countries mentioned. The work will then consist in a study of the sources of the history of the country chosen, and the proper method of using them.

**History.**

The instruction in this department is under the direction of Dr. Howard Levi Gray, Professor of History, Dr. William Roy Smith, Professor of History, Dr. James Miller Leake, Associate in History, Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Dr. James Fulton Ferguson, Associate Professor of Latin and Ancient History.

The instruction offered in history covers forty-four hours of lectures a week; it includes twenty hours a week of undergraduate major and minor work in modern history and ten hours a week of major and minor work in ancient history; five hours a week of post-major work, open only to graduates and undergraduates that have completed the major course in history, and nine hours a week of graduate work.

The object of the major course in history is three-fold. Primarily, history is taught for its own sake as a record of the development of humanity; secondarily, as a necessary accompaniment to the study of political institutions; and finally, as a framework for other forms of research, linguistic, religious, or archæological. The courses are planned to develop in the students a readier historical sense, and a consciousness of historical growth, rather than to give them a mere outline of general history. The instruction consists mainly of lectures, which are designed to create interest in the broad lines of historical development; the lectures are accompanied by constant references for private reading, to stimulate accuracy in detail and independence in judgment.



## FIRST YEAR.

*(Minor Course.)**Modern History.**Modern History.**1st Semester.**(Given in each year.)***Major Course.**

History of Europe from 1815 to 1915, Dr. Gray and Dr. Leake.

*Five hours a week*

(This course may be taken as a free elective. The class is divided alphabetically into two sections, A and B. Dr. Gray lectures to Section A, Dr. Leake lectures to Section B.)

The course deals with the political and social transformation of Europe which was initiated by the French Revolution. The outcome of the Revolution, the career of Napoleon, the absolutist reaction of the early nineteenth century, the successive revolts against this, the formation of modern constitutional governments, the creation of the German Empire and the Kingdom of Italy, the extension of European influence to Asia and Africa, and the treatment of social problems of today are among the topics studied. The instruction is given by means of lectures, required reading, written papers, and discussion.

*2nd Semester.*

History of Europe from 1517 to 1789, Dr. Smith.

*Five hours a week.*

(This course may be taken as a free elective. The course in the History of Western Europe in the Middle Ages may be substituted for this course.)

The course begins with a brief survey of the organisation of the mediæval Church, the rise and decline of the Papacy, and the pre-Lutheran reform movements. It then considers, more in detail, the Reformation, the Catholic Reformation, and the Religious Wars, the territorial expansion of France and the rise of French absolutism, the theory of the balance of power; the rise of Prussia and Russia; the expansion of England; the benevolent despotisms of the eighteenth century; and the antecedents of the French Revolution.

The History of Western Europe in the Middle Ages, Dr. Leake.

*Five hours a week.*

(This course may be taken as a free elective. The course in the History of Europe from 1517 to 1789 may be substituted for this course.)

Commencing with a survey of conditions in the Roman world at the end of the fourth century A. D., this course carries the story of the people of Western Europe to the eve of the Renaissance. While general in character, particular study is given to the development of France, to the rise of the Papacy, and to the great role played by the Church in this middle period. Where possible, emphasis is laid on social, intellectual, and artistic life. Robinson's *History of Western Europe*, with the same author's *Readings in European History*, are used by the students as guides, and additional selected readings and exercises are regularly required.

## SECOND YEAR.

*Modern History.**1st Semester.**(Given in each year.)*

The French Revolution and Napoleon, Dr. Leake.

*Five hours a week*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under this condition it may be taken as a free elective.)

This course treats of the history of France and of Europe from 1789 to 1815, by means of lectures, assigned readings, and reports. The period is considered as an organic whole and the career of Napoleon is regarded as that of a child of the Revolution who in his later years abuses what has made him. The form of the course is chiefly narrative and an effort

is made to view the Revolution in its wider aspects as, in a sense, a part of the history of all modern states. The increasing mass of secondary material is appraised and some printed documentary material is used for reports and references.

## 2nd Semester.

### History of the Renaissance, Dr. Gray.

*Five hours a week.*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under this condition it may be taken as a free elective.)

An endeavour is made to indicate in what ways mediæval life and thought were transformed into those of modern Europe. Political, economic, literary, artistic and scientific changes are therefore studied. Since Italians were prominent in the new movements most attention is given to Italian history, but the innovations of the North, especially those connected with the new Burgundian State, are not neglected. The period extends in a general way from 1250 to 1527.

### British Imperialism, Dr. Smith.

*Five hours a week.*

*(Given in each year.)*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under this condition it may be taken as a free elective.)

This course deals with the external history of the English people: the sea-rovers of the sixteenth century; the beginnings of American colonisation; the contrast between the old colonial system and the new; the history of Canada, Australasia, South Africa, India, Egypt and other colonies and dependencies; the new imperialism of Beaconsfield and Chamberlain; the present position of England as a world power.

### FIRST YEAR.

*(Minor Course.)*

*Ancient History.*

*(Given in each year.)*

*Ancient History.*

### Oriental History, Dr. Barton.

*Three hours a week throughout the year.*

**Major  
Course.**

(This course may be taken as a free elective and may be entered in the second semester, but must be elected in both semesters in order to count as part of the minor course in Ancient History.)

This course treats in broad outlines the history of the civilisation of the Classical Orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal oriental nations, Egyptians, Babylonians, Assyrians, Phœnicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archaeological specimens and by photographs. Either semester may be elected separately.

### Outline Survey of Classical History, Dr. Ferguson.

*Two hours a week throughout the year.*

(This course may be taken as a free elective and may be entered in the second semester, but must be elected in both semesters in order to count as part of the minor course in Ancient History.)

The object of the course is to trace in outline the growth of Græco-Roman civilisation from its beginnings to the reign of Charlemagne. The growth and fall of the city-state, the founding of empire and the spread of Greek culture by Alexander and his successors,

the reaction of the Greek upon the Roman world, the changes introduced by foreign religions, and by the Teutonic invasions, and the growth of Teutonic nations with Roman ideals and spirit, are some of the subjects to be studied. The course is intended to serve as an introduction to further study in classical or mediæval history.

#### SECOND YEAR.

##### *Ancient History.*

##### *1st Semester.*

*(Given in each year.)*

##### Fifth Century Athens, Dr. Ferguson.

*Three hours a week.*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under the above conditions it may be taken as a free elective, but students taking Ancient History as a group must elect also the course in the First Century of the Roman Empire in order to count it as part of the major course.)

The political, economic, and social life of Greece, especially of Athens, during the fifth century B. C. is studied to show the influences under which Greek art and literature developed. Lectures are supplemented by reports on assigned topics.

##### Lectures on Roman Life, Dr. Frank.

*One hour a week.*

*(Given in 1915-16 and again in 1917-18.)*

(This course may be taken as a free elective and may be entered in the second semester, but students taking Ancient History as a group must elect the course in both semesters in order to count it as part of the major course.)

An attempt is made to describe briefly Roman social and economic conditions, as well as the development of religious beliefs and institutions.

##### The Historians of Greece and Rome, Dr. Ferguson.

*One hour a week.*

*(Given in 1915-16 and again in 1917-18.)*

(This course may be taken as a free elective and may be entered in the second semester, but students taking Ancient History as a group must elect the course in both semesters in order to count it as part of the major course.)

The course is intended to show the nature and worth of historical writing among the Greeks and Romans. The works of some of the more important historians are analysed to discover their methods, accuracy, and conception of history. The influence of rhetoric and biography on historical writing is studied, and some practical work in bibliography and criticism is given.

##### Art and Life in Hellenistic Towns, Dr. Carpenter.

*Two hours a week.*

*(Given in each year.)*

(This course may be taken as a free elective, but students wishing to count it in 1916-17 as part of the major course in Ancient History must elect also the course in Ancient Rome given in the second semester.)

A reconstruction from existing remains of town and city life in the period between the death of Alexander the Great and the Roman domination.

##### *2nd Semester.*

##### The First Century of the Roman Empire, Dr. Ferguson.

*Three hours a week.*

*(Given in each year.)*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under the above conditions it may be taken as a free elective, but

students taking Ancient History as a group must elect also the course in Fifth Century Athens in order to count it as part of the major course.)

The course consists of a study of the political and economic and social life of the early empire, with special reference to the reign of Augustus. Some source study, and criticism of modern accounts is given. The lectures are supplemented by reports on assigned topics.

Lectures on Roman Life (continued), Dr. Frank. *One hour a week.*

*(Given in 1915-16 and again in 1917-18.)*

The Historians of Rome (continued), Dr. Ferguson. *One hour a week.*

Ancient Rome, Dr. Swindler. *Two hours a week.*

*(Given in each year.)*

(This course may be taken as a free elective, and if combined with the course in Art and Life in Hellenistic Towns may be counted as part of the major course in Ancient History.)

The course deals with the art and material civilisation of Rome through Republican and Imperial times. It is intended both as an archæological background to Latin studies and as an introduction to Roman Art, especially sculpture and painting.

*Group:* Modern History with Economics and Politics; Modern History with German, *or* with French, *or* with History of Art; Ancient History with Greek, *or* with Latin, *or* with Classical Archæology.

#### FREE ELECTIVE COURSE.

History of the United States from 1865 to 1915, Dr. Smith.

*Two hours a week throughout the year.*

The aim of this course is to present the historical background necessary to enable students to discuss intelligently the more important social, industrial, political, and diplomatic problems of the present day. They are also taught by means of required reading and reports how to use memoirs, letters, magazines, newspapers, and other contemporary historical sources. This course was given in 1915-16 five hours a week during the first semester as part of the major course.

**Free  
Elective  
Course.**

#### POST-MAJOR COURSES.

England to 1485, Dr. Gray. *Three hours a week throughout the year.*

*(Given in 1915-16 and again in 1917-18.)*

The transformation of Anglo-Saxon into Norman England, the constitutional and legal innovations of the Norman and Plantagenet kings, the intellectual and social condition of England at the height of the Middle Ages, and the effects of the Hundred Years' War are subjects of study. The more important documents and secondary works are discussed and written reports are required.

**Post-  
Major  
Courses.**

England under the Tudors, Dr. Gray. *Three hours a week throughout the year.*

*(Given in 1916-17 and again in 1918-19.)*

Attention will be given to the character of Tudor absolutism, parliamentary and local government, dynastic ambitions, foreign trade, the prosperity of the towns and the yeomen, the progress of the Reformation, and the complications in foreign affairs arising from religious changes. The reading and reports will be based largely upon contemporary documents.



## American Constitutional History to 1783, Dr. Smith.

*Two hours a week throughout the year.**(Given in 1915-16 and again in 1917-18)*

The text-books used in the course are MacDonald's *Select Charters of American History* and *Select Documents of the History of the United States*. The members of the class are also systematically referred, not only to the general authorities, but also to colonial charters and constitutions, the records of the colonial governments as far as they are available, the journals of Congress, and other documentary materials.

## American Constitutional History from 1783 to 1865, Dr. Smith.

*Two hours a week throughout the year**(Given in 1916-17 and again in 1918-19.)*

The lectures deal with the leading aspects of the political, constitutional, and economic history of the United States from the ratification of the constitution to the present time. The text-books used are MacDonald's *Select Documents of the History of the United States*, but frequent additional references are given to the leading secondary authorities. To a limited extent use will be made of such documents as are available in the library, and special topics will be assigned for discussion and report.

## GRADUATE COURSES.

Three distinct seminaries, one in English and European history, one in American history and one in Ancient history are offered to graduate students in history in addition to a course in Historical Method and Bibliography and the direction of private reading and original research. Students may offer either European History or American History as a major for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

## Seminary in English and European History, Dr. Gray.

*Three hours a week throughout the year**(Given in each year.)*

In 1915-16 the subject of the seminary is the condition of England, France, and the Low Countries at the beginning of the Hundred Years' War. Apart from the social and economic condition of the countries in question, attention is given to English interests in Guiana, to the Scottish war of liberation, to the diplomatic preliminaries of the Hundred Years' War, and to the first successes and disasters attendant upon this struggle. Contemporary chronicles and state papers are the bases of study.

In 1916-17 the subject of the seminary will be a study of the reigns of Edward III and Richard II. The progress of the Hundred Years' War, the innovations in military science, the social changes wrought by the Black Death, the causes of the Peasants' Revolt of 1378, the rise of a native merchant class, the composition and power of Parliament will receive attention.

In 1917-18 the subject of the seminary will be England in the fifteenth century. The changes wrought in the life of all classes at the end of the Middle Ages and the substitution of a new social order for the old will be studied.

## Seminary in American History, Dr. Smith.

*Two hours a week throughout the year**(Given in each year.)*

In 1915-16 the Revolution, the Confederation and the Constitution are the subjects of study. American history from 1776 to 1789 is discussed primarily from the local point of view as a step in the conflict between the seaboard aristocracy and the democracy of the frontier. The social and economic forces which led to the adoption of the Federal Constitution and the subsequent formation of national political parties are investigated.

In 1916-17 the seminary will deal with the Civil War and Reconstruction. Special stress will be laid upon the social, economic and political reorganization of the South, the North and the West and also of the nation as a whole during the period from 1861 to 1877.

In 1917-18 the subject of the seminary will be slavery and the negro problem. After a preliminary survey of the history of slavery in the colonial period such topics as the slavery compromises of the constitution, the growth of slavery in the South, the abolition of the slave trade, the Missouri Compromise, the anti-Slavery movement, nullification, the Mexican War, the Wilmot Proviso, the compromise measures of 1850, the Kansas-Nebraska bill, the Dred Scott decision, the abolition of slavery, and the adoption of the thirteenth, fourteenth and fifteenth amendments are discussed. Special attention is paid to the conflict between sectionalism and nationalism and the connection between slavery, territorial expansion, and the development of constitutional theories.

All students offering this seminary for the degree of Doctor of Philosophy are required to offer in addition the course in Historical Method and Bibliography.

### Seminary in Ancient History, Dr. Ferguson.

*Two hours a week throughout the year.*

*(Given in each year.)*

In 1915-16 the Early Empire, its political, economic, and religious problems are the subjects of study. The work of the first semester will be concerned with the reign of Augustus, and with a careful criticism of the estimate of Augustus by Ferrero. In the second semester the period will be treated more by topics than by individual reigns. Such topics as deification of emperors, religious persecutions, extension of citizenship, cabinet government, decline of senatorial power, trade and trade policy will be investigated.

In 1916-17 the Later Roman Empire will be studied. The founding of absolutism and its effects, economic depression, serfdom, religious controversies, and the relations between church and state, will be among the topics for discussion.

In 1917-18 the Hellenistic Age is the subject of the seminary. The development of the Hellenistic world is traced from the formation of permanent states down to the conquest of the east by Rome. Special emphasis is given to the intellectual awakening, the formation of Greek leagues, commercial activity, and the effect of the contact of the Greek and Roman worlds.

### Historical Method and Bibliography, Dr. Leake.

*One hour a week throughout the year.*

The matters dealt with in this course are the field of history and its relations to allied subjects; the evolution of the scientific historical method; the outlines of historical bibliography; the great collections of printed material; archives and MSS.; the work and rank of leading historians of the modern school. Throughout the course practical studies will be assigned to illustrate the subjects under discussion. A reading knowledge of French and German is required. This course must be elected by all students who offer the seminary in American History for the degree of Doctor of Philosophy.

### Historical Journal Club, Dr. Gray, Dr. Smith and Dr. Leake.

*Two hours once a fortnight throughout the year.*

The instructors in the department of history and the graduate students who are pursuing advanced courses in history meet once a fortnight to make reports upon assigned topics, review recent articles and books, and present the results of special investigations.

### Economics and Politics.

The instruction in this department is under the direction of Dr. Marion Parris Smith, Associate Professor and Professor (elect) of Economics and Politics, Dr. Charles Ghequiere Fenwick, Associate Professor of Political Science, Dr. Susan Myra Kingsbury, Carola Woerishoffer Professor of Social Economy and Director of the Carola Woerishoffer Department of Social Research, and Miss Angie Lillian Kellogg, Reader (elect) in Social Economy and Social Research.

The instruction offered in this department covers twenty-seven hours of lectures a week; it includes ten hours a week of undergraduate minor and major work; one hour of free elective, seven hours a week of post-major work open only to graduates and to undergraduates who have completed the major course in economics and politics; and nine hours a week of graduate work.

The object of the undergraduate courses in economics and politics is three-fold: first, to trace the history of economic and political thought; second, to describe the development of economic and political institutions; and third, to consider the practical economic and political questions of the day. Instruction is given by lectures. The lectures are supplemented by private reading, by oral and written quizzes, by written theses and reports, and by such special class-room exercises as the different subjects require.

#### FIRST YEAR.

(*Minor Course.*)

#### 1st Semester.

(*Given in each year.*)

#### **Major Course.**

Introduction to Economics, Dr. Marion Parris Smith and Dr. Kingsbury.

*Five hours a week.*

(This course may be taken as a free elective. The class is divided alphabetically into two sections, A and B. In 1915-16 during the first half of the semester Dr. Marion Parris Smith conducted Section A, and Dr. Kingsbury Section B; in the second half of the semester the sections were interchanged.)

The objects of this course are to introduce the students to the economic problems in the modern state, and to train them to think clearly on economic subjects. The subjects considered are production, agricultural and industrial; distribution of wealth, the mechanism of exchange, economic institutions of money, banking, foreign exchange, markets; transportation, etc.

Students are required to write occasional short papers in connection with their private reading, and one short report on a specially assigned topic.



*2nd Semester.*

Introduction to Government and Politics, Dr. Fenwick and Dr. Leake.

*Five hours a week.*

(This course may be taken as a free elective. The class is divided alphabetically into two sections, A and B, one conducted by Dr. Fenwick and one by Dr. Leake.

The object of this course is to present the structure and organization of the government of the United States and of the government of the several states, together with an examination of the party system and its effects upon the actual operations of government. It is followed by a comparative study of the governments of Great Britain, France, and Germany.

## SECOND YEAR.

*1st Semester.*

*(Given in each year.)*

Present Political Problems, Dr. Fenwick.

*Five hours a week.*

(This course may be elected only by students who have studied economics and politics at least five hours a week for one year. Under this condition it may be taken as a free elective.

The object of this course is to present the chief political problems which have arisen in recent years. The several branches of the federal and state governments are taken up one by one and such questions discussed as: the influence of the Executive over Congress; the conflict between treaties and legislation; the relation of the administrative departments to Congress; Committee rule in Congress, the growth of the judicial power and proposals for restricting it; the courts and social legislation; the initiative, referendum and recall; commission government in cities, etc. The course will be preceded by a brief study of modern theories relating to the end and object of the state, in order to ascertain the proper sphere of the activities of the state.

*2nd Semester.*

History of Economic Thought, Dr. Marion Parris Smith.

*Five hours a week.*

(This course may be elected only by students who have studied economics and politics at least five hours a week for one year. Under this condition it may be taken as a free elective.)

The object of this course is to give advanced students an historical introduction to certain modern economic problems of value and distribution. The course is divided into two parts: Part I deals with the history of certain economic ideas from the middle of the eighteenth century to the present.

The students are expected to read critically portions of standard texts, including those of Turgot, Adam Smith, Ricardo, Malthus, J. S. Mill, Jevons, and certain of the Austrian economists. Part II consists of a study of certain modern economic problems in value and distribution. Occasional short papers in connection with the reading, and one long report on some specially assigned subject are required.

*Group:* Economics and Politics with Modern History or with Philosophy, or with Philosophy and Psychology, or with Psychology.

## FREE ELECTIVE COURSE.

Elements of Private Law, Dr. Fenwick. *One hour a week throughout the year.*

*(Given in each year.)*

The object of the course is to familiarize the student with the principles and technical terms of those branches of private law with which the ordinary citizen is brought into con-

**Free  
Elective  
Course.**



fact. The subjects covered include Persons and Domestic Relations, Contracts, Torts, Real and Personal Property, and Negotiable Instruments. The lectures are supplemented by a study and discussion of judicial decisions bearing on the subject.

#### POST-MAJOR COURSES.

#### **Post-Major Courses.**

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Economic and Social Legislation in England and America since 1890,  
Dr. Marion Parris Smith.

*Three hours a week throughout the year.*

*(Given in 1915-16 and again in 1917-18.)*

The first semester is devoted to a review of recent English legislation dealing with trade unions, workmen's compensation, minimum wages, the sweated trades, old age pensions, unemployed, child-welfare, and the land system. In the second semester American legislation on these subjects is reviewed as well as recent Anti-Trust legislation. Special topics are assigned to students for reports, and attention is given to the use of original source material.

American Economic and Social Problems, Dr. Marion Parris Smith.

*Three hours a week throughout the year.*

*(Given in 1916-17 and again in 1918-19.)*

The object of this course is, first, to trace certain social movements in the United States from 1865 to the present time; second, to train advanced students in the use of sources of economic material. Special studies are made of the changes in rural and urban population; the development of city life; the problems of country life; immigration, the race problem; the marketing and distribution of food, the cost of living, etc. Special topics are assigned to students for reports and attention is given to the use of original source material.

International Law, Dr. Fenwick.

*Two hours a week throughout the year.*

*(Given in 1915-16 and again in 1917-18.)*

The object of this course is to present the rules of international law as a positive system with an historical background of custom and convention. Use is made of judicial decisions of British and American courts applying the principles of international law wherever such cases are in point, and an endeavour is made to determine the precise extent to which a given rule is legally or morally binding upon nations. In view of the importance of the rules relating to war and neutrality at the present time, greater attention is paid to these than to the laws prevailing between nations at peace.

Constitutional Law of the United States, Dr. Fenwick.

*Two hours a week throughout the year.*

*(Given in 1916-17 and again in 1918-19.)*

In this course the leading principles of the American constitutional system will be examined. The course will deal principally with the federal constitution and the decisions of the Supreme Court of the United States. Some attention will be given, however, to state constitutions and the decisions of state courts. Stress will be laid upon decisions relating to social and economic questions.

Elements of Social Statistics and Methods of Social Research, Dr. Kingsbury.

*Two hours a week during the first semester.*

*(Given in each year.)*

The object of the course is to acquaint the student with the sources of social statistical information and methods of securing, analysing, interpreting, and presenting social data. Preparation of various types of schedules, tabulation of information secured, the proper use of the several kinds of averages (mean, median and mode), are among the subjects presented. The course concludes with a critical study of the methods used in social economic investigations and reports by federal and state departments and by private organizations. The courses in Graphic Mathematics and in Industrial and Census Problems must be taken in connection with this course. See pages 109 and 129.

### Organized Effort for Social Betterment, Dr. Kingsbury.

*Two hours a week during the second semester.*

*(Given in each year.)*

A brief survey of the origin, growth, and present methods of the most important social service and social welfare organizations will be presented in order to acquaint the student with the lines of activity open to social workers, (1) in social education, through settlements, civic centres or other neighborhood organizations; (2) in improvements of industrial conditions, through associations for labor legislation, labor organizations, or consumers' efforts; (3) in vocational counselling, through vocational advising, through placement, or through adjustment of employment; (4) in child welfare, through societies for care and protection of children; (5) in social relief, through organizations for the reduction and prevention of poverty; (6) in social correction, through the probation work in the juvenile courts or corrective institutions; or (7) in social investigation and research.

### GRADUATE COURSES.

Eleven hours a week of seminary work and graduate lectures are offered each year to graduate students of economics and politics.

### Graduate Courses.

Four seminaries, one in economics, one in political science, and one in social research and one in social theory are offered each year in addition to the direction of private reading and original research. An advanced course in statistics is also given. Post-major courses amounting to seven hours a week which may be elected by graduate students are given in each year. Students may offer either economics or politics as their major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library.

### Economics Seminary, Dr. Marion Parris Smith.

*Two hours a week throughout the year.*

*(Given in each year.)*

The object of the seminary is to train students in methods of research and to give them practice in using the sources of economic history and theory.

In 1915-16 Currency and Banking Systems of the United States are the subjects of the seminary.

In 1916-17 the theories and problems of Distribution and the agencies in modern social life that effect the distribution of wealth will be studied. Special attention will be paid to wage problems, profit sharing, various plans for controlling large scale production, modern land systems, etc.

In 1917-18 Economic Theory in England and America in the nineteenth century with special attention to the ideas of free trade and protection will be the subject of the seminary.

**Political Seminary, Dr. Fenwick.***Three hours a week throughout the year.**(Given in each year.)*

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures are given but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

In 1915-16 Constitutional Questions involved in Modern Economic and Social Problems are the subject of the seminary. The chief economic and social problems in the United States will be studied from the point of view of the restrictions placed by the constitution upon the legislative powers of Congress and of the several states in dealing with those subjects. As an introduction the various theories relating to the functions of the state and the proper sphere of its activity will be discussed.

In 1916-17 Constitutional Law of the United States will be the subject of the seminary. The decisions of the Supreme Court of the United States will form the basis of the work. Special stress will be laid upon the relations between the federal and state governments, interstate commerce, and due process of law under the Fourteenth Amendment. Students will be required to present brief reports upon assigned cases in the first semester and to prepare a longer report upon a group of cases in the second semester.

In 1917-18 Municipal Government and Problems will be the subject of the seminary.

**Seminary in Social Research, Dr. Kingsbury.***Three hours a week throughout the year.*

A description of this seminary will be found on page 110.

**Seminary in Social Theory, Miss Kellogg.***Two hours a week throughout the year.*

A description of this seminary will be found on page 110.

**Economics Journal Club, Dr. Marion Parris Smith, Dr. Fenwick, Dr. Kingsbury and Miss Kellogg.**

*Two hours once a fortnight throughout the year.*

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

**Social Economy and Social Research.***The Carola Woerishoffer Graduate Department of Social Economy and Social Research.*

This department was opened in the autumn of 1915 and is known as the Carola Woerishoffer Graduate Department of Social Economy and Social Research in order that the name of Carola Woerishoffer may be associated in a fitting and lasting way with Bryn Mawr College which she so generously endowed. The department affords women an opportunity of obtaining advanced scientific training in philanthropy and social service to which Carola Woerishoffer devoted her life.

The instruction in this department is under the direction of Dr. Susan Myra Kingsbury, Carola Woerishoffer Professor of Social Economy and Director of the Carola Woerishoffer Department of Social Research, Miss Angie Lillian Kellogg,



Reader (elect) in Social Economy and Social Research, and Miss Frieda Segelke Miller, Secretary to the Department of Social Economy and Social Research, with the co-operation of the following members of the closely allied departments of Economics and Politics, Philosophy, Psychology and Education. Dr. Marion Parris Smith, Associate Professor and Professor (elect) of Economics and Politics; Dr. Charles Ghequiere Fenwick, Associate Professor of Political Science; Dr. Theodore de Laguna, Professor of Philosophy; Dr. James H. Leuba, Professor of Psychology and Education; Dr. Clarence Errol Ferree, Associate Professor of Experimental Psychology; Dr. Gertrude Rand, Associate in Experimental and Educational Psychology; Dr. Matilde Castro, Associate Professor of Education; and Dr. Charlotte Angas Scott, Professor of Mathematics, and Dr. David Hilt Tennent, Professor of Biology. The seminars and courses given by these instructors and enumerated below are specially adapted for students of Social Economy and Social Research.

The courses in Social Economy and Social Research are intended for graduate students who may present a diploma from some college of acknowledged standing. No undergraduate students are admitted although graduate students in the department in addition to the undergraduate courses in economics and political science may elect, subject to the approval of the Director, undergraduate courses in other subjects.

Students of this department should offer for admission to their graduate work a preliminary course in economics, and more advanced courses equivalent to the Bryn Mawr College major course in economics, politics or history, and also preliminary work in psychology or biology, or should follow such courses while taking the work of the department.

The courses are planned for one, two, and three years, on the principle that about two-thirds of the student's time shall be given to the study of theory and statistics and the remaining one-third to practical investigation and work in her chosen field. One half year may be spent in residence in a social service institution or in connection with a social welfare organization in Philadelphia, or New York, or elsewhere, during which time the practical work and special reading and research will



be supervised by the Director of the department and the Head of the institution or organization.

The fields from which a subject for the practicum may be chosen are as wide as are the organized activities for social welfare. Advantage has been taken by the department of the very generous interest and co-operation of the Philadelphia social agencies to secure for its students definite affiliations with organizations in the fields chosen by them and a knowledge of the extent and character of such social activities in the city. This has led in the year 1915-16 to an arrangement for co-operative work with the College Settlement under Miss Anna Davies, the Criminal Division of the Municipal Court under Dr. Louise Stevens Bryant, the Society for Organizing Charity under Miss Betsey Libbey, the Division of Employment of the Bureau of Compulsory Education under Mr. Henry J. Gideon, and Mr. M. P. Townsend, the Women's Trade Union League under Miss Florence Sanville, the Social Service Department of the Hospital of the University of Pennsylvania under Miss Helen Glenn and Miss S. Sawtelle, and the Consumers' League under Miss Mary McConnell. As the needs and interests of students make it desirable to place them as workers with other organizations, such as the Juvenile Court, Child Welfare Agencies, the Glenn Mills Reformatory, or the Bureau for Municipal Research, definite arrangements for co-operative supervision of such work will be made.

Graduates of colleges other than Bryn Mawr College with the preparation specified above who are able to study for one year only will receive diplomas certifying to the work they have taken. As the degree of Master of Arts is conferred only on graduates of Bryn Mawr College it is hoped that this diploma will in many cases be accepted for the master's degree in the colleges and universities from which students have received their bachelor's degree. Graduates of Bryn Mawr College may receive the degree of Master of Arts in Social Economy and Social Research under the conditions prescribed for this degree.

The degree of Doctor of Philosophy in Social Economy and Social Research is open to graduates of all colleges of high standing under the conditions prescribed for this degree in Bryn Mawr College.

Graduate students that have completed the above preliminary work in Economics and Political Science, or its equivalent, who are able to study for two years only will receive a diploma certifying to the work they have taken in the Graduate Department of Social Economy and Social Research.

Candidates for the degree of Doctor of Philosophy in Social Economy and Social Research may select their associated or independent minors from the following seminaries and graduate courses and from other graduate seminaries or courses, subject to the approval of the Graduate Committee. The practicum through which training and experience may be obtained under a social service institution or in connection with a social service organization will be counted towards the associated minor.

Ten hours a week of seminary work, eight hours of graduate lectures and seventeen and a half hours of undergraduate courses are offered in 1915-16 and will be increased in 1916-17 to sixteen hours a week of seminary work, eleven hours of graduate lectures, and twenty-five and a half hours of advanced undergraduate work available for graduate students in Social Economy and Social Research; direction of investigation and research in special fields, and supervision of the practicum in social service and welfare accompanies the seminaries and courses. The seminaries and courses announced by the department are given in rotation so that different courses may be taken through three consecutive years. The selection of courses depends upon the field of social work which the student may choose. The seminary in Social Research or the seminary in Social Theory, and, unless previously taken, a post-major course in Social Statistics and Methods of Social Research are required of all students of the department.

#### FREE ELECTIVE COURSE.

##### Industrial and Census Problems.\*

*One hour a week throughout the year.*

This course deals with the application of statistical methods to questions arising in the study of industry and population and is recommended to students of Social Economy who are taking the course in Graphic Mathematics, see page 129.

***Free  
Elective  
Course.***

#### POST-MAJOR COURSES.

##### Elements of Social Statistics and Methods of Social Research, Dr. Kingsbury.

*Two hours a week during the first semester.*

*(Given in 1915-16 and in each succeeding year.)*

The object of the course is to acquaint the student with the sources of social statistical information and methods of securing, analysing, interpreting and presenting social data. Preparation of the various types of schedules, tabulation of information secured, and the proper use of the several kinds of averages (mean, median, mode), are among the subjects considered. The course concludes with a critical study of the methods used in social

***Post-  
Major  
Courses.***

\* This course will be given by an instructor whose appointment will be announced later.

economic investigations and reports by federal and state departments and by private organizations. This course must be accompanied by the courses in Graphic Mathematics and in Industrial and Census Problems, see pages 109 and 129.

### Organized Effort for Social Betterment, Dr. Kingsbury.

*Two hours a week during the second semester*

*(Given in 1915-16 and in each succeeding year.)*

A brief survey of the origin, growth, and present methods of the most important social service and social welfare organizations will be presented in order to acquaint the student with the lines of activity open to social workers; (1) in social education, through settlements, civic centres or other neighborhood organizations; (2) in improvements of industrial conditions, through associations for labor legislation, labor organizations, or consumers' efforts; (3) in vocational counselling, through vocational advising, through placement, or through adjustment of employment; (4) in child welfare, through societies for care and protection of children; (5) in family care, through organizations for the reduction and prevention of poverty; (6) in social guardianship, through the probation work in the juvenile courts or corrective institutions; or (7) in social investigation and research.

### GRADUATE COURSES.

#### **Graduate Courses.**

The following graduate courses may be elected subject to the approval of the Director of the Department by students working for the first and second year diplomas as well as by candidates for the degree of Doctor of Philosophy in Social Economy and Social Research.

### Seminary in Social Research, Dr. Kingsbury.

*Three hours a week throughout the year*

*(Given in each year.)*

The seminary will study some aspects of Social and Industrial Problems.

Research including field work in standards of living, income, wages, social relations, industrial conditions of women and children, vocational opportunities and demands, or some other subject will be required of research fellows and scholars and will be offered to every student. A group of students may co-operate to produce a study which, it is hoped, will prove a contribution to our knowledge of the social or industrial conditions investigated.

As the chief subjects of investigation will vary from year to year it will be possible for students to follow the work of the seminary for three consecutive years.

### Seminary in Social Theory, Miss Kellogg.

*Two hours a week throughout the year.*

*(Given in each year.)*

In 1916-17 the subject of the seminary will be Social Origins and Social Evolution, a study of the sentiments, the political and moral tendencies, and the religious and mental traits of primitive man as expressed in language, material invention, activities and formation, dispersals and struggles of primitive groups.

In 1917-18 the subject of the seminary will be Social Institutions, a study of domestic relations, kinship groups, marriage and the family, industrial organizations, the church, the state, schools, courts of justice, classes, and rights.

Social treatment of dependents and social treatment of delinquents and defectives, Miss Kellogg.

*Three hours a week throughout the year.*

*(Given in 1916-17 and in each succeeding year.)*

This course will involve a study of the principles, methods, and agencies employed for the prevention, relief and cure of dependency, defectiveness, and delinquency, such as



family case-work, outdoor relief, and institutional care, juvenile courts, probation and parole systems, the indeterminate sentence and psychological laboratories in connection with courts.

Legal Procedure in cases involving women and children, Miss Kellogg.

*One hour a week throughout the year.*

*(Given in 1917-18 and again in 1919-20.)*

The administrative side of the law affecting women and children is presented in this course. It includes a study of the law as applied in juvenile courts, domestic relations courts, and other municipal courts.

Social Administration, Miss Kellogg.

*One hour a week throughout the year.*

*(Given in 1918-19 and again in 1920-21.)*

The object of this course is to study the functions and departments of state boards of charities and corrections; state boards of education; organized charities; other social welfare reformatory and educational institutions; boards of managers' and superintendents' reports; and especially the making of statistical reports and budgets.

Economics Seminary, Dr. Marion Parris Smith.

*Two hours a week throughout the year.*

In 1916-17 the theories and problems of Distribution and the agencies in modern social life that effect the distribution of wealth will be studied. Special attention will be paid to wage problems, profit sharing, various plans for controlling large scale production, modern land systems, etc.

In 1917-18 Economic Theory in England and America in the nineteenth century with special attention to the ideas of free trade and protection will be the subject of the seminary.

Political Seminary, Dr. Fenwick.

*Three hours a week throughout the year.*

In 1915-16 Constitutional Questions involved in Modern Economic and Social Problems is the subject of the seminary. The chief economic and social problems in the United States are studied from the point of view of the restrictions placed by the constitution upon the legislative powers of Congress and of the several states in dealing with those subjects. As an introduction the various theories relating to the functions of the state and the proper sphere of its activity are discussed.

In 1916-17 Constitutional Law of the United States will be the subject of the seminary. The decisions of the Supreme Court of the United States will form the basis of the work. Special stress will be laid upon the relations between the federal and state governments, interstate commerce, and due process of law under the Fourteenth Amendment. Students will be required to present brief reports upon assigned cases in the first semester, and to prepare a longer report upon a group of cases in the second semester.

In 1917-18 Municipal Government and Problems will be the subject of the seminary.

Psychological Seminary, Dr. Leuba.

*Two hours a week throughout the year.*

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: instinct, feeling, and emotion; the psychology of religion and of ethics; social psychology; abnormal psychology (mental disorders, arrested mental development, etc.); animal behaviour; psychology of the beautiful.

In 1915-16 the psychology of abnormal and unusual children was the subject of the seminary.

Seminary in Social Psychology, Dr. Leuba.

*Two hours a week during the first semester.*

In 1916-17 and again in 1918-19 the principles of social psychology and their applications to problems of commerce, industry and government are the subject of the seminary.

In 1917-18 and again in 1919-20 Temperament and Character, their instinctive and emotional foundation, will be the subject of the seminary.



This seminary may be elected separately or may be combined with the seminary in Social and Political Philosophy given in the second semester to count as a seminary in the Department of Social Economy and Social Research.

**Seminary in Social and Political Philosophy, Dr. T. de Laguna.**

*Two hours a week during the second semester.*

*(Given in 1916-17 and in each succeeding year.)*

The topics chosen for discussion will vary from year to year. Among them will be such subjects as: the general nature of law; sovereignty and allegiance; the conception of personal liberty; property; punishment; marriage and the family; moral education. This seminary may be elected separately or may be combined with the seminary in Social Psychology given in the first semester to count as a seminary in the Department of Social Economy and Social Research.

**Seminary in Education, Dr. Castro.**

*Three hours a week throughout the year.*

*(Given in each year.)*

In 1916-17 the principles and methods of education which bear most directly on the selection and teaching of the school curriculum will be considered. For members of the seminary who prove to be qualified, opportunities will be afforded for practice in teaching individual children or small groups of Model School pupils who may require special instruction. Observation of classes in the Model School and elsewhere will be part of the required work.

In 1917-18 special problems in the theory and practice of teaching will be considered. The conduct of the recitation, class-room management, child-study, and the mental hygiene of the normal child in relation to the teaching and learning processes, are among the topics to be discussed.

In 1918-19 school administration will be the subject of the seminary. A study will be made of types and systems of schools, and the history, development and management of primary and secondary schools. This course will be of value to the student preparing for a principalship or a supervising position.

**Seminary in Mental Tests, Dr. Rand.**

*Two hours a week throughout the year.*

**Laboratory Work.**

*Four hours a week throughout the year.*

*(Given in each year.)*

This course combines seminary, laboratory drill, and research features. In the seminary work the history, development, and purpose of mental tests will be treated, and a study made of the sensory and higher mental processes. The laboratory drill will consist of training in the application of tests (including the Binet-Simon series), and practice in diagnosing mental ability, using as subjects children from schools in the vicinity of Bryn Mawr and Philadelphia. The research work will consist of special problems in the devising and standardization of tests, and the formulation of methods designed to improve specific mental deficiencies. The course is open only to graduate students who have had training in experimental psychology. If taken in connection with the special laboratory problems the work of the seminary and laboratory work will occupy thirteen hours a week of the student's time. Students not taking the special problems will be credited with ten hours work.

**Special Laboratory Problems in Mental Tests, Dr. Rand.**

*Four hours a week throughout the year.*

*(Given in each year.)*

This course is offered in each year in connection with the course in Mental Tests to students who wish to pursue advanced work.

**Practicum in Social Economy.** Time equivalent to one seminary, Dr. Kingsbury and Miss Kellogg. *Conference one hour a week throughout the year.*

It is intended that one-third of the time of each student in the department should be devoted to a practicum which shall come under the joint direction of a member of the department of Social Economy and the head of the social welfare institution with which the student elects to take this work. The work must be of a sufficiently practical character to give the student both the necessary training to fit her to enter her selected field at the close of the course and at the same time a general knowledge of the subject and a theoretical understanding of its problems, methods and technique.

The fields from which a subject for the practicum may be chosen are as wide as are the organized activities for social welfare. Advantage has been taken by the department of the very generous interest and co-operation of the Philadelphia social agencies to secure for its students definite affiliations with organizations in the fields chosen by them and a knowledge of the extent and character of such social activities in the city. This has led in the year 1915-16 to an arrangement for co-operative work with the College Settlement under Miss Anna Davies, the Criminal Division of the Municipal Court under Dr. Louise Stevens Bryant, the Society for Organizing Charity under Miss Betsey Libbey, the Division of Employment of the Bureau of Compulsory Education under Mr. Henry J. Gideon and Mr. M. P. Townsend, the Women's Trade Union League under Miss Florence Sanville, the Social Service Department of the Hospital of the University of Pennsylvania under Miss Helen Glenn and Miss S. Sawtelle and the Consumers' League under Miss Mary McConnell. As the needs and interests of students make it desirable to place them as workers with other organizations, such as the Juvenile Court, Child Welfare Agencies, the Glenn Mills Reformatory or the Bureau for Municipal Research, definite arrangements for co-operative supervision of such work will be made.

### Philosophy.

The instruction in this department is under the direction of Dr. Theodore de Leo de Laguna, Professor of Philosophy, Dr. Grace Mead Andrus de Laguna, Associate Professor of Philosophy, and Dr. Albert Edwin Avey, Associate in Philosophy.

The instruction offered in this department covers eighteen and a half hours of lectures a week: it includes a required course of five hours a week for one semester; ten hours a week of undergraduate major and minor work; and six hours a week of graduate work.

A course in philosophy, five hours a week throughout one semester, and a course in psychology, five hours a week throughout one semester, are required of all candidates for a degree.

The major course in philosophy presupposes as much information as is contained in the required course, and may be elected as a group in combination with the major course in Greek, Latin, English, economics and politics, psychology, mathematics, or physics.

A combination of five hours a week for one year of the minor course in philosophy with five hours a week for one year of the minor course in psychology, making up a course

of five hours a week for two years, forms a major course and may be elected as a group in combination with the major course in Greek, English, economics and politics, mathematics, and physics. The minor or major course in philosophy amounting to five hours a week for one year may be elected as an alternative for the second year of required science.

**Required Course.** Introduction to Philosophy, Dr. Theodore de Laguna, Dr. Grace de Laguna and Mr. Avey. *Five hours a week during the first semester*

*(Given in each year.)*

(The class is divided into three sections and each section assigned to a different instructor.)  
 The course consists of discussions of certain fundamental problems of metaphysics based as far as possible upon recent philosophical literature. Every effort will be made to foster independence and sincerity of thought, rather than to impress upon the students any system of philosophical dogmas.

#### FIRST YEAR.

*(Minor Course.)*

##### 1st Semester.

*(Given in each year.)*

**Major Course.** History of Philosophy, Dr. Theodore de Laguna. *Five hours a week*

Ancient philosophy is very briefly treated. The greater part of the course is devoted to the discussion of selections from the principal writings of Bacon, Hobbes, Descartes, Spinoza, Leibniz, Locke, Berkeley, and Hume.

##### 2nd Semester.

Recent Philosophical Tendencies, Dr. Grace de Laguna. *Five hours a week*

This is a continuation of the required course in philosophy, in which special attention is given to questions concerning the sources, limits, and validity of human knowledge. Among the theories discussed are idealism, pragmatism, and the intuitionism of Bergson.

The course is introduced by a brief treatment of the elements of logic.

In 1915-16 this course was given by Dr. Avey.

##### 1st Semester.

#### SECOND YEAR.

From Kant to Spencer, Dr. Avey. *Five hours a week*

The course is principally occupied with the development of the post-Kantian idealism, and with the naturalistic systems of Comte, J. S. Mill, and Spencer.

##### 2nd Semester.

Elementary Ethics, Dr. Theodore de Laguna. *Five hours a week*

The course comprises an historical and critical introduction to ethics. Particular attention will be given to recent studies in moral evolution, and their significance for the question of the objectivity of moral standards.

The latter part of the course will include a simple treatment of the general theory of values, with illustrations of its application in the fields of ethics, aesthetics, and economics.

*Group: Philosophy with Greek, or with Latin, or with English, or with Economics and Politics, or with Mathematics, or*

with Physics; Philosophy and Psychology with Greek *or* with English *or* with Economics and Politics *or* with Mathematics *or* with Physics.

## GRADUATE COURSES.

Five hours a week of seminary work and graduate lectures are offered each year to graduate students of philosophy, accompanied by the direction of private reading and original research.

**Graduate Courses.**

A seminary in logic and metaphysics is offered each year and a seminary in ethics and one in the history of philosophy are offered in alternate years. The subjects of study are changed from year to year through a cycle of three years. Ten hours a week of advanced undergraduate courses are also open to graduate students. Students electing Philosophy as their major subject for the degree of Doctor of Philosophy may emphasize either metaphysics or ethics. For the list of approved associated and independent minors see the Regulations of the Academic Council. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library.

## Ethical Seminary, Dr. Theodore de Laguna.

*Two hours a week throughout the year.*

In 1915-16 Political Ethics is the subject of the seminary. During the first semester the relations between the state and the individual are studied, and during the second semester international relations. This subject will hereafter be replaced by Recent French Ethics: Durkheim, Levy-Bruhl, Fouillée, Belot, and Paulhan.

In 1916-17 English Evolutionary Ethics, as exemplified in the writings of Darwin, Spencer, Clifford, Stephen, Alexander, and Hobhouse, and as criticised by Green, Sorley, Huxley, Pringle-Pattison, and Rashdall, will be studied. Special attention will be given to the problem of determining the nature and limitations of the genetic method as applied in ethical research.

## Seminary in Logic and Metaphysics, Dr. Theodore de Laguna.

*Two hours a week throughout the year,*

In 1916-17 Inductive and Genetic logic will be studied. The theories of Sigwart, Wundt, Bradley, Bosanquet, Dewey, and Baldwin are the basis of investigation.

In 1918-19 English Empiricism will be discussed in the seminary. Special attention will be paid to its connections with associationism, and to the development of the theory of scientific method.

## Seminary in Social and Political Philosophy, Dr. Theodore de Laguna.

*Two hours a week during the second semester.*

*(Given in 1916-17 and in each succeeding year.)*

The topics chosen for discussion will vary from year to year. Prominent among them will be: the general nature of law; sovereignty and allegiance; the conception of personal liberty; property; punishment; marriage and the family; moral education.

This seminary may be elected separately, or may be combined with the seminary in Social Psychology, given two hours a week during the first semester, as a seminary for students in the Department of Social Economy and Social Research.



## Seminary in Logic and Metaphysics, Dr. Grace de Laguna.

*Two hours a week throughout the year.*

In 1915-16 the Nature of Consciousness is the subject of the seminary. During the first semester the psychophysical aspect is examined and during the second semester the epistemological aspect.

In 1917-18 Contemporary Realism as represented by Moore, Russell, Alexander, Perry, McGilvary and Fullerton will be the subject of the seminary.

## Seminary in the History of Philosophy, Dr. Avey.

*Two hours a week throughout the year.*

In 1916-17 the philosophy of Kant is the subject of the seminary. The principal writings of the critical period will be read and a careful study will be made of the final organization of Kant's system in the *Critique of Judgment*.

In 1918-19 Descartes and Spinoza will be studied with special reference to their views of the relation between idea and object.

## Logistic, Dr. Avey.

*One hour a week throughout the year.**(Offered in 1915-16.)*

This course includes a study of the more general laws of thought under which the laws of the traditional logic stand as special instances.

Philosophical Journal Club, Dr. Theodore de Laguna, Dr. Grace de Laguna, and Dr. Avey.

*Two hours once a fortnight throughout the year.*

The advanced students and the instructors meet to report on and discuss recent reviews and philosophical articles.

**Psychology.**

The instruction in this department is under the direction of Dr. James H. Leuba, Professor of Psychology, Dr. Clarence Errol Ferree, Associate Professor of Experimental Psychology and Director of the Psychological Laboratory, Dr. Kate Gordon, Associate Professor of Education, Dr. Gertrude Rand, Associate in Experimental and Educational Psychology, and Dr. Albert Edwin Avey, Associate in Philosophy.

The instruction offered in this department covers twenty-one and a half hours of lectures a week; it includes a required course of five hours a week for one semester; ten hours a week of undergraduate major and minor work; two hours a week of free elective work and seven hours a week of graduate work.

A course in psychology, five hours a week throughout one semester, and a course in philosophy, five hours a week throughout one semester, are required of all candidates for a degree.

The major course in psychology presupposes as much information as is obtained in the required course and may be elected as a group in combination with the major course in English, economics and politics, philosophy, mathematics, physics, or biology.

A combination of five hours a week for one year of the minor course in psychology with five hours a week for one year of the minor course in philosophy forms a major course and may be elected as a group in combination with the major course in Greek, English, economics and politics, mathematics, and physics.

The minor or major course in psychology amounting to five hours a week for one year may be elected as an alternative for the second year of required science.

Psychology, Dr. Leuba and Dr. Avey.

*Five hours a week during the second semester.*

*(Given in each year.)*

The text-book used is James's *Briefer Course in Psychology*. In connection with the lectures there are experimental demonstrations.

#### FIRST YEAR.

*(Minor Course.)*

*1st Semester.*

*(Given in each year.)*

Experimental Psychology, Dr. Ferree and Dr. Rand. *Five hours a week.*

Laboratory work, Dr. Ferree and Dr. Rand. *Four hours a week.*

**Major  
Course.**

(Open only to those students who have taken the required course in psychology. May be taken as a free elective.)

The lectures constitute an abbreviated course in systematic psychology in which the historical, critical, and theoretical features of the subjects covered are discussed and the experimental features demonstrated. The laboratory work consists of individual practice in selected topics.

*2nd Semester.*

The Psychology of Instinct, Emotion, and Animal Behaviour, Dr. Leuba.

*Five hours a week.*

(Open only to those students who have taken the required course in psychology. May be taken as a free elective.)

The course in animal psychology does not necessitate a special knowledge of biology, yet it appeals to students of that science since it deals with animal behaviour. Time is spent on an analysis of the methods and processes by which animals learn. This part of the course is of special interest to students of education because of the light thrown upon the problems of learning in man.

#### SECOND YEAR.

*1st Semester.*

*(Given in each year.)*

Social Psychology: The Psychology of Group Life and the Origin and the Nature of Magic, Religion, Ethics, Science, and Art, Dr. Leuba.

*Five hours a week.*

(Open only to those students who have taken the minor course in psychology five hours a week in the second semester. Experimental psychology is not a prerequisite. May be taken as a free elective.)

Psychology has so far been concerned almost exclusively with individuals, human or animal, normal or abnormal. But a crowd, a clique, an industrial trust, do not behave as the individuals composing them would behave if they acted independently. For this reason the study of the laws of social interrelation and of social action has become a separate branch of psychology. The social institutions, magic, religion, ethics, science, art, industry, and commerce are the most important forms which social life has assumed in the course of human development.

### *2nd Semester.*

Applied Psychology, Dr. Rand.

*Five hours a week.*

Laboratory work, Dr. Rand.

*Four hours a week.*

(Open only to those students who have taken the minor course in psychology five hours a week throughout the year. May be taken as a free elective.)

The specific applications of psychology form the subject matter of this course. An important feature is the application to the work of the clinic. Demonstrations are made of the mental equipment of children of different ages and individual practise is given in mental testing. The applications of psychology to law, medicine, vocational guidance, advertising, etc., are briefly considered.

This course was given by Dr. Gordon in 1915-16.

*Group: Psychology with Philosophy, or with Mathematics, or with Physics, or with Biology, or Philosophy and Psychology with Greek, or with Latin, or with English, or with Economics and Politics, or with Mathematics, or with Physics.*

### FREE ELECTIVE COURSE.

Advanced Experimental Psychology, Dr. Ferree.

*Two hours a week throughout the year.*

*(Given in each year.)*

This course is intended for students who wish to be trained in research work. It is primarily for fourth year students in psychology, but in very special cases by permission of the instructor it may be taken by a student who has taken the minor course in experimental psychology. The instructor will co-operate with the students in the solution of some original problems. A reading knowledge of French and German is required.

### GRADUATE COURSES.

Seven hours a week of seminary work and graduate lectures are offered each year to graduate students of psychology, accompanied by the direction of private reading and original research and the courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the minor and major courses of the department amounting to ten hours a week may be elected by graduate students. The laboratory of experimental psychology is open to graduate students for research work. Students may offer either Social Psychology or Experimental and Systematic Psychology as a major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

**Free  
Elective  
Course.**

Psychological Seminary, Dr. Leuba. *Two hours a week throughout the year.*  
(Given in each year.)

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: feeling, emotion and conation; the psychology of religion and of ethics; social psychology; abnormal psychology (mental disorders, arrested mental development, etc.); animal behaviour; psychology of the beautiful. In 1915-16 the psychology of abnormal and unusual children was the subject of the seminary.

Seminary in Social Psychology, Dr. Leuba.  
*Two hours a week during the first semester.*

In 1916-17 and again in 1918-19 the principles of social psychology and their applications to problems of commerce, industry and government are the subject of the seminary.

In 1917-18 and again in 1919-20 temperament and character and their instinctive and emotional foundation will be studied. This seminary together with the seminary in Social Philosophy, given in the second semester, may be counted as a seminary by students in the Department of Social Economy and Social Research.

Seminary in Systematic Psychology, Dr. Ferree.  
*Three hours a week throughout the year.*  
(Given in each year.)

This seminary is intended, primarily, to give a systematic presentation of the literature of experimental psychology. Due consideration, however, will be given to all points of systematic importance. The work is grouped about the following topics: sensation, the simpler sense complexes, perception and ideas, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.). The course covers three years, but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Psychological Journal Club, Dr. Leuba, Dr. Ferree, and Dr. Rand.  
*One hour a week throughout the year.*

The advanced students meet with the instructors once a week to hear or read reports on the literature of the subject and on the work done in the laboratory.

Psychological Laboratory Work, Dr. Ferree and Dr. Rand.  
The laboratory work consists of individual practise and research.

## Education.

*This school is organized in part from the Phebe Anna Thorne Endowment and is connected with the Phebe Anna Thorne Model School.*

The instruction in Education is under the direction of Dr. Kate Gordon, Associate Professor of Education, Dr. Matilde Castro, Associate Professor of Education and Director of the Phebe Anna Thorne Model School, Professor James H. Leuba, Professor of Psychology, Dr. Clarence Errol Ferree, Associate Professor of Experimental Psychology and Director of the Psychological Laboratory, Dr. Gertrude Rand, Associate in Experimental and Educational Psychology, and Miss Angie



Lillian Kellogg, Reader (elect) in Social Economy and Social Research.

The work of the Department of Education is intended for graduate students only. No undergraduate students are permitted to take any graduate work in education although graduate students may if they so desire elect undergraduate courses in education and psychology and other subjects. The courses are planned for graduate students who wish to study education for one, two, and three years on the principle that about one-half of the student's time will be given to purely educational courses and the remaining half to courses in the subjects in which she is preparing herself to teach. The degree of Master of Arts in Education is open to graduates of Bryn Mawr College only. Graduates of other colleges receive diplomas certifying to the work that they have taken in the Graduate Department of Education. The degree of Doctor of Philosophy in Education is open to graduates of all colleges of high standing under the general conditions prescribed for the degree of Doctor of Philosophy.

#### *The Phebe Anna Thorne Model School.*

The Phebe Anna Thorne School opened in the autumn of 1913 under the direction of the Bryn Mawr College Graduate Department of Education. It is maintained by an endowment of one hundred and fifty thousand dollars given by the executors of the estate of the late Phebe Anna Thorne to perpetuate her deep interest in school education and her desire to further research in the best methods of teaching school subjects. The Phebe Anna Thorne School is an integral part of the Graduate Department of Education and affords its students an opportunity to follow the work of the expert teachers of the model school and discuss in seminars conducted by the professors of education the various problems of teaching and administration as they arise from day to day. Pupils are admitted at ten years of age and will be fitted to enter Bryn Mawr and other colleges on the completion of a seven years' high school course based on the soundest available theory and practice of teaching to be found in this country or abroad. Wherever a new method of teaching a high school subject is known to have succeeded it

will be studied and introduced into the model school and the results on the pupils of different methods of teaching the same subjects will be tested and compared in the psychological laboratories of the college. It is believed that the opportunity thus afforded of studying the newest approved methods of secondary teaching will enable teachers who have studied in the Graduate Department of Education to teach more efficiently and to command materially higher salaries.

#### FREE ELECTIVE COURSE.

Introduction to Education, Miss Kellogg.

*Two hours a week throughout the year.*

*(Given in each year.)*

The course is designed to give a general survey of the field of pedagogical inquiry. It considers the social and philosophical conceptions which underlie school practice and organization; the historical development of these conceptions, the psychological problems which are concerned in school management and methods of teaching and an introduction to the methods of experimental pedagogy. This course was given in 1915-16 by Dr. Gordon.

**Free  
Elective  
Course.**

#### GRADUATE COURSES.

In addition to two seminars in education, and courses in the study of children and mental tests there are offered in each year observation classes in the Phebe Anna Thorne Model School and courses in systematic, applied, and experimental psychology recommended to students of education. Students electing education as their major subject for the degree of Doctor of Philosophy must elect experimental and systematic psychology as the associated minor. The list of approved independent minors will be found in the Regulations of the Academic Council.

**Graduate  
Courses.**

No undergraduates are admitted to graduate courses, but the free elective course of the department amounting to two hours a week may be elected by graduate students.

Seminary in Methods of Teaching, Dr. Gordon.

*Two hours a week throughout the year.*

*(Given in 1915-16.)*

The subjects dealt with in the seminary include the discussion of the pedagogical principles underlying the teaching of the various school branches, English, history, mathematics, science, etc. Two hours each week of observation of classes in the Phebe Anna Thorne Model School are required in connection with the seminary.

Seminary in Educational Problems, Dr. Gordon.

*Two hours a week throughout the year.*

*(Given in 1915-16.)*

All students working in the department of education who have completed the seminary in Methods of Teaching or have done equivalent work are expected to attend this seminary. The selection of subjects in this course varies from year to year. For 1915-16 a study of the methods for diagnosing intelligence is taken up and an opportunity

given for the student to assist at the giving of tests on school children. Other topics for study will be: advanced readings in the History of Education, School Hygiene, the principles underlying the curriculum.

The Psychological Bases of Class-room Technique, Dr. Castro.

*One hour a week throughout the year.*

*(Given in 1915-16.)*

The course discusses and illustrates typical class room problems and considers the psychological bases for their control.

All students working in the department of education are required to attend this course.

Seminary in Education, Dr. Castro.

*Three hours a week throughout the year.*

*(Given in each year.)*

In 1916-17 the principles of education and methods which bear most directly on the selection and teaching of the school curriculum will be the subject of the seminary. For members of the seminary who prove to be qualified there will be opportunities for practice in teaching individual children or small groups of Model School pupils who may require special instruction. Observation of classes in the Model School and elsewhere will be a part of the required work.

In 1917-18 special problems in the theory and practice of teaching will be considered. The conduct of the recitation, class-room management, child-study and the mental hygiene of the normal child in relation to the teaching and learning processes are among the topics to be discussed.

In 1918-19 school administration will be the subject of the seminary. A study will be made of types and systems of schools, and the history, development and management of primary and secondary schools.

Seminary in Mental Tests, Dr. Rand.

*Two hours a week throughout the year.*

Laboratory Work, Dr. Rand.

*Four hours a week throughout the year.*

*(Given in each year.)*

This course combines seminary, laboratory drill, and research features. In the seminary work the history, development, and purpose of mental tests will be treated, and a study made of the sensory and higher mental processes. The laboratory drill will consist of training in the application of tests (including the Binet-Simon series), and practice in diagnosing mental ability, using as subjects children from schools in the vicinity of Bryn Mawr and Philadelphia. The research work will consist of special problems in the devising and standardization of tests, and the formulation of methods designed to improve specific mental deficiencies. The course is open only to graduate students who have had training in experimental psychology, and counts as a seminary only for those students who take in addition the course in special laboratory problems. Students who do not take the course in special problems will be credited with work amounting to ten hours a week.

Special Laboratory Problems in Mental Tests, Dr. Rand.

*Four hours a week throughout the year.*

*(Given in each year.)*

This course is offered in connection with the course in Mental Tests to students who wish to pursue advanced work.

Seminary in Systematic Psychology, Dr. Ferree.

*Three hours a week throughout the year.*

*(Given in each year.)*

This seminary is intended for graduate students who have already taken a course in experimental psychology and gives a systematic presentation of the literature of experimental psychology. Due consideration, however, is paid to all points of systematic importance. The work is grouped about the following topics: sensation, the simpler sense complexes, perception and ideas, feeling and the affective processes, attention, action.



and the intellectual processes (memory, association, imagination, etc.). The course covers three years, but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Observation Classes, Dr. Gordon and Dr. Castro.

*Two hours a week throughout the year.*

Five hours a week counting as a two hour lecture course are spent in the observation of teaching in the Phebe Anna Thorne School and in other schools.

English Enunciation, Mr. King. *One hour once a fortnight throughout the year.*

*(Given in each year.)*

Journal Club in Education, Dr. Gordon, Dr. Castro and Dr. Rand.

*Two hours once a fortnight throughout the year.*

The instructors and students meet to report on and discuss recent reviews and articles and the results of special investigations are presented for comment and criticism.

### Classical Archæology.

The instruction in this department is under the direction of Dr. Rhys Carpenter, Associate Professor of Classical Archæology and Dr. Mary Hamilton Swindler, Reader in Latin and Reader and Demonstrator in Classical Archæology.

An archæological seminary of two hours a week and a lecture course of one hour a week throughout the year are offered to graduate students who have done elementary archæological work, and also a journal club meeting one and a half hours a fortnight. In addition individual students will be directed in special work by means of private conferences.

The undergraduate work is divided into courses of three hours a week and two hours a week, affording a complete series of instruction in the various branches of classical archæology. It is recommended that those who elect archæology as a major subject should offer Greek Sculpture, Art and Life in Hellenistic Towns, and Ancient Rome, during their first year, reserving for their second year the courses on Ancient Architecture, Greek Vase-painting, and the Minor Arts.

All the undergraduate courses are fully illustrated with lantern-slides, and photographs are available for review and comparison.

#### FIRST YEAR.

*(Minor Course.)*

*(Given in each year.)*

Greek Sculpture, Dr. Carpenter.

*Three hours a week throughout the year.*

A critical study of the rise, perfection, and ultimate developments of sculpture in Greece. The course is intended as a general introduction to the principles and appreciation of sculpture.

**Major  
Course.**



**Art and Life in Hellenistic Towns, Dr. Carpenter.***Two hours a week during the first semester.*

A reconstruction, from existing remains, of town and city life in the period between the death of Alexander the Great and the Roman domination.

**Ancient Rome, Dr. Swindler.***Two hours a week during the second semester.*

The course deals with the art and material civilization of Rome through Republican and Imperial times. It is intended both as an archaeological background to Latin studies and as an introduction to Roman art, especially sculpture and painting. The course includes a study of Etruscan art and its influence on early Rome.

This course supplements that on Art and Life in Hellenistic Towns given in the first semester.

**SECOND YEAR.***(Minor Course.)***Ancient Architecture, Dr. Carpenter.***Three hours a week throughout the year**(Given in 1916-17 and in each succeeding year.)*

An introductory outline of Egyptian, Cretan, and Mycenaean building is followed by a detailed study of the principles and practice of architecture in Greece and Rome. The course ends with a brief survey of Byzantine, Renaissance, and present-day classical styles. Emphasis is laid on architectural evolution and its connection with the civilization of the times.

**Greek and Roman Minor Arts, Dr. Carpenter.***Two hours a week during the second semester.**(Given in each year.)*

The course treats of Greek and Roman bronze statuettes, terra-cotta figurines, coins, gems, jewelry, silver-ware, and similar objects, mainly for their artistic and cultural interest. The first six lectures deal with Cretan and Mycenaean art. This course supplements that on Greek vase-painting given in the first semester.

**Ancient Painting and Vases, Dr. Swindler.***Two hours a week during the first semester.**(Given in each year.)*

The course traces the development of ancient painting. It further forms an introduction to the mythology and daily life of Greece, through the study of designs on Greek vases.

**GRADUATE COURSES.**

A seminary in archæology, a graduate course, and a journal club in archæology are offered to graduate students in addition to the undergraduate courses which are open also to graduate students. A good reading knowledge of both French and German is indispensable, and familiarity with both Greek and Latin, though not required, is of the utmost value for graduate work in archæology.

Students electing classical archæology as a major subject for the degree of Doctor of Philosophy must have taken the major undergraduate course in Greek and the minor undergraduate course in Latin or courses equivalent

to these. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Carpenter conducts in each year the following graduate seminary:

#### Archæological Seminary.

*Two hours a week throughout the year.*

This course is open only to graduate students who have had some previous training in classical archæology. The order of the subjects may be changed in accordance with the needs of the students.

In 1915-16 Greek minor arts (coins, gems, terra-cottas) will be studied in the first semester, and the monuments and topography of Athens and Delphi in the second semester.

In 1916-17 Greek architecture will be studied in the first semester, and Roman architecture in the second semester.

In 1917-18 fifth century Greek sculpture is the subject of the seminary in the first semester, and fifth century Greek vases in the second semester.

Ægean Archæology with emphasis on the recent discoveries in Crete,  
Dr. Swindler. *One hour a week during the first semester.*

#### Ancient Painting, Dr. Swindler.

*One hour a week during the second semester.*

The work includes a detailed survey of Cretan frescoes, painted plaques, stelæ and sarcophagi, Greek vases of the Polygnotan era, paintings found in Etruscan tombs, Pompeian wall decoration, and the mummy portraits from the Fayûm.

#### Archæological Journal Club, Dr. Carpenter and Dr. Swindler.

*One and a half hours a fortnight throughout the year.*

The graduate students and the instructors meet for the presentation and discussion of topics of current archæological literature.

## History of Art.

The instruction in this department is under the direction of Miss Georgiana Goddard King, Associate Professor of the History of Art, Miss Dorothy Ochtman, Demonstrator in the History of Art, and Miss Helen Huss Parkhurst, Reader and Demonstrator (elect) in the History of Art.

A seminary of two hours a week and a journal club of one hour a week are offered to graduate students who have done elementary work in history of art. In addition individual students will be directed in special work by means of private conferences.

The undergraduate work is divided into courses of three hours a week and two hours a week on painting, sculpture and architecture.

All the courses are illustrated with lantern slides, and photographs are available for review and comparison.

## FIRST YEAR.

*(Minor Course.)**(Given in each year.)***Major Course.**

Italian Painting of the Renaissance from the Middle of the Thirteenth to the Middle of the Sixteenth Century, Miss King.

*Three hours a week throughout the year**(May be taken as a free elective.)*

In the first semester the Italian Primitives are studied, chiefly in the schools of Florence, Siena, and Umbria; in the second semester the painters of the High Renaissance, with special attention to those of Venice and the north of Italy. The course is illustrated with photographs and lantern slides.

Gothic Architecture, Miss King.

*Two hours a week throughout the year**(May be taken as a free elective.)*

The first semester is devoted to Romanesque and pointed architecture in Italy and Germany, with special attention to the introduction of Gothic into Italy by the Cistercians, and the second semester to the development of Gothic in France and Spain with parallels from English ecclesiastical architecture. The course is illustrated with photographs and lantern slides.

## SECOND YEAR.

*(Given in each year.)*

Painting in the Seventeenth and Eighteenth Centuries, Miss Parkhurst.

*Three hours a week throughout the year**(May be taken as a free elective.)*

In the first semester the Dutch and Flemish painters are studied, in the second semester the French, Spanish, and English. The course is illustrated with photographs and lantern slides. This course was given by Miss King in 1915-16.

Renaissance Sculpture, Miss King.

*Two hours a week throughout the year**(May be taken as a free elective.)*

The first semester is devoted to the sculpture of the Italian Renaissance, the second chiefly to Northern art, and in especial to figure sculpture in France from the building of the Cathedrals to the close of the Renaissance. The great sculptors of Germany and Spain will be studied carefully in conclusion. The course is illustrated with photographs and lantern slides.

## FREE ELECTIVE COURSE.

**Free Elective Course.**

Modern Painting, Miss King.

*Three hours a week throughout the year.*

This course is an elective open only to students who have completed at least five hours for one year in the history of art, or an equivalent course. It deals with the history of painting since 1830 and comes down to the present year. Students are expected to make trips to Philadelphia and the neighbourhood to study pictures, as often as may seem necessary. In 1915-16 this course met for two hours a week in the second semester only.

## GRADUATE COURSES.

**Graduate Courses.**

Two hours a week of seminary work are offered each year to graduate students of history of art accompanied by the direction of private reading and original research, and the courses are varied from year to year so that

they may be pursued by students through three or more successive years. In addition to the graduate seminary announced, other courses will be provided as need for them arises, and individual students will be directed in special work by means of private conferences. History of Art may be offered as a minor for the degree of Doctor of Philosophy. A list of major subjects with which it may be offered will be found in the Regulations of the Academic Council. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the minor and major courses of the department amounting to ten hours a week may be elected by graduate students.

#### Seminary in Modern Painting, Miss King.

*Two hours a week throughout the year.*

In addition to working with books and photographs the students will be required to make short day-trips to study pictures.

In 1916-17 the subject of the seminary is the Spanish primitives.

In 1917-18 the sources of Spanish architecture from the 12th to the 15th century will be studied.

In 1918-19 the subject will be Spanish painting after 1500. Special problems will be assigned for investigation and report.

#### Journal Club in Modern Painting, Miss King and Miss Parkhurst.

*Two hours once a fortnight throughout the year.*

### Mathematics.

The instruction in this department is under the direction of Dr. Charlotte Angas Scott, Professor of Mathematics, Mr. Charles Clinton Bramble, Lecturer in Mathematics, and Dr. Olive C. Hazlett, Associate (elect) in Mathematics.

The instruction offered in mathematics covers twenty-three and a half hours of lectures and recitations a week, in addition to the time devoted to the seminary work in the graduate department; it includes ten hours a week of undergraduate minor and major work, five hours a week of free elective work, four hours a week of post-major work open only to graduates and to undergraduates who have completed the major course in mathematics, and four and a half hours a week of graduate work.

In the major course the students are able to gain a fair knowledge of the principal subjects belonging to the department of pure mathematics. The points of contact of mathematics with other branches of mental and physical science are indicated as far as possible throughout the course, special attention being paid to the nature of mathematical reasoning, and to the true



relation and mutual dependence of mathematics and physics. The course of lectures on the history of mathematics in the second year is intended to give an outline of the development of the subject from its beginning to 1700 A. D.

**Preparatory Course.**

The two hours course in trigonometry included in the first semester of the minor course in mathematics may be taken separately as a free elective or may be counted as a part of the year of mathematics which may be taken as an alternative for the second year of required science. It is required for admission to the major course in physics. An examination for advanced standing may be taken by those who do not wish to attend the course and yet wish to elect the minor course in mathematics or the major course in physics.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Analytical Conics, Dr. Scott.

Three hours a week.

Trigonometry, including Series, Dr. Scott.\*

Two hours a week.

The course in trigonometry may be taken separately as a free elective. The course in analytical conics may be taken separately by those students only who have passed the examination for advanced standing in trigonometry.

2nd Semester.

Elementary Differential and Integral Calculus, Dr. Hazlett.\*

Three hours a week.

Algebra and Theory of Equations, Dr. Hazlett.\*

Two hours a week.

The three hour and two hour courses in this semester may not be elected separately unless special permission is given to students of physics to take only the course in Calculus.

SECOND YEAR.

1st Semester.

(Given in each year.)

Differential and Integral Calculus and Differential Equations, Dr. Hazlett.\*

Three hours a week.

Theory of Equations, Determinants, Dr. Hazlett.\*

Two hours a week.

2nd Semester.

Curve Tracing, History of Mathematics, Dr. Scott.

Three hours a week.

Analytical Geometry of two and three Dimensions, Dr. Scott.\*

Two hours a week.

The three hour and two hour courses in each semester may not be elected separately.

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\* This course was given in 1915-16 by Mr. Bramble.

*Group: Mathematics with Greek, or with Latin, or with Philosophy, or with Psychology, or with Philosophy and Psychology, or with Physics, or with Chemistry, or with Geology, or with Biology.*

## FREE ELECTIVE COURSES.

Fundamental Theorems of Algebra and Geometry, Dr. Scott.

*One hour a week throughout the year.*

*(Given in 1916-17.)*

Certain standard problems of historical interest are considered in order to elucidate some of the fundamental principles of mathematics. Either semester may be taken separately. No knowledge of mathematics beyond the requirements for matriculation is presupposed. It is hoped that the work will prove useful not only to students electing mathematics as a major, but also to those intending to teach elementary mathematics. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

Graphic Mathematics, Dr. Scott.

*One hour a week throughout the year.*

*(Given in 1915-16 and again in 1917-18.)*

The course deals with statistical work, standard graphs and interpolation. It is recommended to students of economics as well as to students of physics. No knowledge of mathematics beyond the requirements for matriculation is presupposed. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

Mathematics Preparatory to Science.

*Two hours a week throughout the year.*

*(Given in each year when the time of the department permits.)*

This course deals chiefly with parts of the differential and integral calculus, trigonometry, analytical geometry, and differential equations. Some problems in probability are also considered. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

Descriptive Astronomy, Dr. Hazlett.

*Two hours a week throughout the year.*

*(Given in each year.)*

The subject is treated from an elementary point of view. Such mathematics as seems desirable is developed in the lectures. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

## POST-MAJOR COURSES.

The post-major courses in mathematics are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to mathematical studies differs in different colleges, graduate students frequently find it advisable to elect some of these courses. Regular written work is expected from all mathematical students, and a reading knowledge of French and German is presupposed.

The post-major courses in any one year amount to four hours a week. The courses given are the following, with occasional modifications.

***Free  
Elective  
Courses.***

***Post-  
Major  
Courses.***

I. (a.) Lectures introductory to Modern Analytical Geometry, in connection with Salmon's *Conic Sections* and Scott's *Modern Analytical Geometry*.

or I. (b.) Lectures on Modern Pure Geometry.

or I. (c.) Lectures on Special Topics in Geometry, such as Homogeneous Coordinates, Circular Coordinates, Families of Curves, certain Transcendental Curves, Geometrical Transformations, etc.

Special permission to take the course I (c) before completing the two years of the major course may be granted to students whose work in the major course has shown that they are able to profit by the lectures.

II. (a.) Lectures Introductory to Modern Algebra, in connection with Salmon's *Modern Higher Algebra*, and Elliott's *Algebra of Quantics*.

or II. (b.) Lectures preparatory to the Theory of Functions, in connection with Harkness and Morley's *Introduction to the Theory of Analytic Functions* and Chrystal's *Algebra*, Vol. II.

or II. (c.) Lectures on Differential Equations, ordinary and partial.

or II. (d.) A general course in Analysis, dealing with the higher development of subjects only touched upon in the major course, such as Determinants, Fourier's Series, Infinite Series, Definite Integrals, etc.

or II. (e.) Elementary Theory of Numbers.

In 1915-16 the following post-major course is offered:

I. (a.) Dr. Scott. *Two hours a week throughout the year*

In 1916-17 the following post-major courses are offered:

I. (b.) Dr. Scott. *Two hours a week throughout the year*

II. (d.) Dr. Hazlett. *Two hours a week throughout the year.*

In 1917-18 the following post-major courses are offered:

I. (a.) Dr. Scott. *Two hours a week throughout the year.*

II. (c.) Dr. Hazlett. *Two hours a week throughout the year.*

#### GRADUATE COURSES.

#### **Graduate Courses.**

Four and a half hours a week of seminary work and graduate lectures are offered each year to graduate students of mathematics accompanied by the direction of private reading and original research. The courses vary from year to year so that they may be pursued by candidates for the degree of Doctor of Philosophy for three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to four hours a week may be elected by graduate students. Students who elect mathematics as a major subject for the

degree of Doctor of Philosophy are required to elect mathematics also as an associated minor. The list of approved independent minors will be found in the Regulations of the Academic Council.

### General Theory of Plane Algebraic Curves, Dr. Scott.

*Two hours a week throughout the year.*

*(Given in 1915-16.)*

No knowledge of the systematic theory is presupposed, beyond what is contained in the customary work in analytical geometry. The lectures take up Plücker's equations, the analysis of higher singularities, the theory of the intersections of curves, with some discussion of systems of curves and geometry on a curve. Attention is paid to special configurations that present themselves in connection with cubic and quartic curves.

### Differential Geometry of Curves and Surfaces, Dr. Scott.

*Two hours a week throughout the year.*

*(Given in 1916-17.)*

While the lectures will to some extent follow the arrangement of Eisenhart's treatise the intention is that students familiarise themselves with the corresponding work of Darboux. The whole subject is of much importance in present day Mathematics.

### General Course in Higher Plane Curves, Dr. Scott.

*Two hours a week throughout the year.*

*(Given in 1917-18.)*

During the first semester the lectures will deal with general properties of plane algebraic curves, chiefly from the analytical standpoint, but partly from the topological. The second semester will be devoted either to the topology of plane algebraic curves, or, more probably, to a detailed treatment of certain special curves and classes of curves.

### Formal Algebra, Dr. Hazlett.

*Two hours a week throughout the year.*

*(Given in 1916-17.)*

It is intended that the course deal with the formal properties of algebra, invariants, etc., without confining the treatment to any one particular type of algebra.

### Theory of Algebraic Numbers, Dr. Hazlett.

*Two hours a week throughout the year.*

*(Given in 1917-18.)*

A short account of rational integers is given; afterwards the subject of integers in a general algebraic realm is taken up, special attention being given to quadratic realms.

### Mathematical Journal Club, Dr. Scott and Dr. Hazlett.

*One hour a fortnight throughout the year.*

The journal club holds fortnightly meetings at which reports on special topics or memoirs are presented by the instructors and the graduate students.

## SCIENCE.

### Physics, Chemistry, Geology, Biology.

Professors and instructors: Dr. Florence Bascom,\* Dr. William B. Huff, Dr. David Hilt Tennent, Dr. James Barnes, Dr. Thomas Clachar Brown, Dr. Roger Frederic Brunel,

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\* Granted leave of absence for the year 1915-16.



Dr. Alfred Russell Moore, Dr. James Llewellyn Crenshaw, Dr. Benjamin Franklin Wallis, Miss Mary Edith Pinney, Miss Edith Hamilton Lanman, Miss Sue Avis Blake, and Miss Lucia Helen Smith.

In January, 1893, the Trustees opened Dalton Hall, a large building, containing ample laboratories, lecture-rooms, research-rooms, special libraries, and professors' rooms for the work of the scientific departments. The chemical, geological, biological, and physical laboratories and the laboratory for experimental psychology are open for students from nine to six daily.

The attention of graduates of medical colleges and of undergraduate and graduate students intending to take the degree of Doctor of Medicine is called to the facilities offered by the laboratories, and to the resolutions of the Trustees of the Johns Hopkins University in regard to the admission of students to the Medical School of that University, which opened in the autumn of 1893, and has from the first admitted women on the same terms as men. The courses of Bryn Mawr College in physics, chemistry, and biology correspond to those of the Johns Hopkins University,\* and it is easy for a student to elect a course corresponding exactly to the Preliminary Medical Course of the Johns Hopkins University. Students planning to begin the study of medicine should elect physics for one year and biology and chemistry for two years.

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\* REQUIREMENTS FOR ADMISSION TO THE MEDICAL DEPARTMENT OF THE JOHNS HOPKINS UNIVERSITY.

"As candidates for the degree of Doctor of Medicine the school receives:

1. Those who have satisfactorily completed the Chemical-Biological Course which leads to the A.B. degree in this University. (Group V.)

2. Graduates of approved Colleges or Scientific Schools who can furnish evidence: (a) That they have acquaintance with Latin and a reading knowledge of French and German; (b) That they have such knowledge of biology, chemistry and physics as may be obtained by a year's course in these subjects when accompanied by laboratory work.†

3. Those who give evidence by examination that they possess the general education implied by a degree in arts or in science from an approved college or scientific school and the knowledge of French, German, Latin, Physics, Chemistry, and Biology above indicated "

† BIOLOGY.—In addition to the usual class work, the instruction must include a year's laboratory course of six hours or more a week upon the structure, functions and life-histories of selected types of animal and plant life. Courses in botany or zoology will be accepted provided the laboratory work has been adequate. It is desirable that the course should include laboratory instruction in embryology.

CHEMISTRY.—The minimum requirement is a one year course, including five hours of laboratory work a week throughout the year, covering the outlines of inorganic chemistry and the elements of organic chemistry, somewhat as presented in Remsen's "Introduction to the Study of Chemistry." Students will be required to present evidence that in addition

### Physics.

The instruction in this department is under the direction of Dr. William B. Huff, Professor of Physics, Dr. James Barnes, Associate Professor of Physics, Miss Sue Avis Blake and Miss Lucia Helen Smith, Demonstrators in Physics. The instruction offered in physics covers eighteen hours of lectures a week; it includes ten hours a week of undergraduate minor and major work, one or two hours a week of free elective work, three hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in physics; and four hours a week of graduate lectures and seminary work.

The first year of the major course deals principally with the development of physical facts and is accordingly mainly experimental and descriptive in its nature. A wide range of physical phenomena and the elements of physical theories are treated. The course is planned to cover the whole subject from this point of view so as to give those who do not intend to pursue physics further, such a knowledge of its principles as will enable them to follow its recent development and applications, and also to provide those electing physics as a group with a good foundation for more advanced work. No knowledge of physics is presupposed. In the second year the course is intended to serve as an introduction to the theories to which experimental evidence has led. The treatment is accordingly more mathematical than in the first year, but the experimental

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to these requirements they have had an elementary course in organic chemistry, including at least 25 to 30 lectures and 90 to 100 hours of laboratory work.

**PHYSICS.**—A collegiate course for at least one year is required. This must include four hours a week of class-room work and at least three hours a week of *quantitative* work in the laboratory. Special attention should be given to theoretical mechanics and to mechanical and electrical experiments.

**LATIN.**—The student should have studied Latin grammar and should possess at least such knowledge of the language as may be acquired by reading four books of Caesar or their equivalent.

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Similar requirements are made for admission to the Medical College of Cornell University.

The Woman's Medical College of Pennsylvania admits students of Bryn Mawr College who have pursued the chemical-biological course that leads to the A.B. or the Ph.D. degree to advanced standing in the corresponding branches of the college curriculum on presentation of evidence of work equivalent to that done in the Medical School and on passing the required examinations in these branches. The Woman's Medical College presented to Bryn Mawr College in 1910 a scholarship to be awarded to a graduate of the college giving free tuition and renewable for the four years of the college course.

side of the subject is still emphasised. A knowledge of trigonometry is required, and some familiarity with the methods of the calculus will be of assistance.

## FIRST YEAR.

(Minor Course.)

## 1st Semester.

(Given in each year.)

**Major Course.**

Mechanics, Heat, Sound, and Properties of Matter, Dr. Huff.

Three hours a week

Laboratory Work, Dr. Huff and Miss Blake.

Six hours a week

## 2nd Semester.

Electricity, Magnetism, and Light, Dr. Barnes.

Three hours a week

Laboratory Work, Dr. Barnes and Miss Blake.

Six hours a week

The instruction in this course is given by means of lectures, daily oral quizzes, occasional written quizzes, regular problem papers, and required private reading. Students are expected to use, in connection with the lectures, text-books on the special part of the subject under discussion; at present Crew's *General Physics* is used for reference; also the text-books of Ames and Glazebrook. The lectures are illustrated throughout by means of the lantern, by demonstrations on the lecture table, and by the exhibition of apparatus, etc.

In the laboratory, the students are first instructed in the methods of accurate measurement of the simple quantities, length, time, and mass; later, they make a series of determinations, mainly quantitative, on the part of the subject under discussion in the lecture room at the time. Ames and Bliss's *Manual of Experiments in Physics* is found useful as a reference work for part of this course. A system of laboratory lectures has also been developed to supplement the class-room work, to point out sources of error and their treatment, to demonstrate methods of manipulation, and, in general, to give directions for working which are applicable to the class as a whole; they are given at the beginning of each week's laboratory work. The object of the work is to familiarise the students with the instruments and methods used in physical measurements, with special reference to the quantitative laws upon which the science is based. The laboratory is equipped with this object in view, and the apparatus is all of the most modern design.

## SECOND YEAR.

## 1st Semester.

(Given in each year.)

Theoretical Mechanics, Theory of Light, Dr. Barnes.

Three hours a week.

Laboratory Work, Dr. Barnes and Miss Blake.

Six hours a week.

## 2nd Semester.

Theory of Heat, Theory of Electricity and Magnetism, Dr. Huff.

Three hours a week

Laboratory Work, Dr. Huff and Miss Blake.

Six hours a week.

The instruction is given by lectures, supplemented by the discussion of weekly problem papers; the text-books mentioned below indicate the character of the ground covered, and form the basis of the lectures. Private reading and outside preparation will take at least three and a half hours a week, and the course counts as a five-hour lecture course. An endeavour is made to bring the students into contact with the work of original investigators.

The general text-book used is Watson, *Physics*; the books used in special subjects are as follows: heat: Maxwell, *Theory of Heat*, Preston, *Theory of Heat*; dynamics: selections from Tait and Steele's *Dynamics of a Particle*, Jeans's *Theoretical Mechanics*; and special



lectures dealing with the applications of dynamics to physical problems; electricity and magnetism: J. J. Thomson, *Elements of the Mathematical Theory of Electricity and Magnetism*; optics, physical and geometrical: Preston, *Theory of Light*, Edser, *Light*.

The laboratory work of the second year is designed to follow and illustrate the subject-matter of the lectures. The student is taught the use of accurate instruments and the methods of physical investigation. A special study is made of the sources and amounts of the errors involved in the different operations, and the problems assigned are adapted as far as possible to the requirements and wishes of the individual students.

*Group: Physics with Philosophy, or with Mathematics, or with Chemistry, or with Geology, or with Biology.*

#### FREE ELECTIVE COURSES.

Physical Basis of Music, Dr. Huff.

*One hour a week throughout the year.*

*(Given in 1915-16 and again in 1917-18.)*

**Free  
Elective  
Courses.**

In the lectures of this course it is planned to present some of the physical principles illustrated in the construction of musical instruments and underlying the general theory of music. Private reading is assigned. In 1915-16 this course was given for two hours a week in the second semester.

Historical Development of Physics, Dr. Huff.

*One hour a week throughout the year.*

*(Given in 1916-17.)*

The work of this course consists of lectures, required reading, and class-room discussions. The lectures give an elementary presentation of some of the more important ideas and results of physics. The reading is intended to supplement the lectures and to provide additional material for general discussion. The course is open to students who have had a minor course in science or its equivalent.

#### POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. A knowledge of differential and integral calculus is required. These lectures deal not only with the theoretical development of the subject, but great stress is laid on the important experimental work which has been done in it, and methods and results are criticised and opportunities for further investigation pointed out. The object of the courses is to prepare students to undertake independent work. The laboratory work is planned with this object in view and is arranged to meet the special needs of each individual student. Graduate students may be permitted to take the lectures without the laboratory work. In addition to the laboratory work which accompanies the lectures a student may take extra laboratory work sufficient to make the courses equivalent to five hours a week.

**Post-  
Major  
Courses.**

Electricity and Magnetism, Dr. Huff.

*Three hours a week throughout the year.*

*(Given in 1915-16.)*

The lectures of this course treat typical mathematical and experimental problems chosen from the various parts of the entire subject. A large number of problems on potential and attraction are assigned.



## General Optics, Dr. Barnes.

*Three hours a week throughout the year.**(Given in 1916-17.)*

These lectures give a general discussion of the theories advanced to explain many phenomena in light. Students are required to have a good knowledge of elementary optics and to be sufficiently familiar with optical apparatus to undertake a detailed study of some special problem.

## Properties of Matter, Dr. Huff.

*Three hours a week during the first semester.**(Given in 1917-18.)*

The lectures cover the general subject of the properties of matter studied from the point of view of the Molecular Theory. The different theories of matter are discussed and an account of recent investigations concerning the relations of matter and electricity is given. Poynting and Thomson's *Properties of Matter* is read in connection with the course.

## Theory of Sound, Dr. Huff.

*Three hours a week during the second semester.**(Given in 1917-18.)*

The lectures form an introduction to the theory of modes of vibration of pipes, strings, and rods. The theory of music and of musical instruments is then studied. Poynting and Thomson's *Sound* is used during the earlier part of the course, and frequent references are made to Helmholtz and Rayleigh.

## Spectroscopy, Dr. Barnes.

*Three hours a week during the first semester.**(Given in 1918-19.)*

The course begins with a complete discussion of the apparatus used in this subject; the results of past and present investigations are then considered, and problems for investigation are pointed out. The many important applications of spectroscopy to astronomy are not neglected. The standard book of reference is Kayser's *Handbuch der Spectroscopic*. Detailed reports of laboratory investigations are required.

## Astrophysics, Dr. Barnes.

*Three hours a week during the second semester.**(Given in 1918-19.)*

This course consists of lectures on the application of physical principles and methods to the study of the composition, structure, and motions of the heavenly bodies. Selected chapters in Moulton's *Celestial Mechanics* and many papers from the *Astrophysical Journal* will be read and discussed.

## GRADUATE COURSES.

**Graduate Courses.**

The graduate courses consist of lectures, laboratory work, and original research under the direction of the instructors, the lecture courses varying from year to year so that they may be pursued by students through consecutive years. A good working library containing the current and bound numbers of all the important physical journals is kept in the laboratory. Students electing physics as their major subject for the degree of Doctor of Philosophy may elect it also as the associated minor, provided either mathematics or applied mathematics is taken as the independent minor; or mathematics or applied mathematics may be taken as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

**Mathematical Theory of Electricity and Magnetism, Dr. Huff.***Three hours a week throughout the year.**(Given in 1916-17.)*

The lectures are based on Maxwell's standard work, and include a general account of the later development of the theory.

**Thermo-dynamics and Radiation, Dr. Barnes.***Three hours a week throughout the year.**(Given in 1917-18.)*

The modern developments of thermo-dynamics and radiation including X-rays and photo-electricity are considered. Attention is paid to the application of the laws of thermo-dynamics in physical chemistry.

**Radioactivity and Discharge of Electricity through Gases, Dr. Huff.***Three hours a week during the first semester.**(Given in 1918-19.)*

The earlier lectures treat of the effect of fields on the path of a moving charged particle. A discussion of typical experimental methods of measuring velocity and the ratio of charge to the mass follows. After a study of the phenomena of electrical discharge and of radio-activity a brief account of theories is given.

**Electron Theory, Dr. Huff.***Three hours a week during the second semester.**(Given in 1918-19.)*

The mathematical development of the subject is presented in the lectures, with special reference to experimental tests of theory.

**Physical Optics, Dr. Barnes.***\* Three hours a week throughout the year.**(Given in 1919-20.)*

This course gives a general mathematical discussion of physical optics. Students are expected to give detailed reports on the methods and results of investigations which illustrate the theory. When it seems desirable two and a half hours of experimental work will be substituted for one hour of the lecture course.

**Physical Journal Club, Dr. Huff and Dr. Barnes.***One hour a week throughout the year.*

The advanced students meet with the instructors once a week to hear or read papers on assigned topics in physics.

**Laboratory work, Dr. Huff and Dr. Barnes.**

The laboratory work is arranged for the purpose of familiarising the student with the methods of research; the student begins by repeating methods and investigations of well-known experimenters, with any modifications that may be suggested, passing on to points of investigation left untouched by previous experimenters, and finally to the study of new methods and the prosecution of original research. Students taking physics as their chief subject for the degree of Doctor of Philosophy are expected to spend all the time possible in the laboratory. In the basement there is a constant-temperature vault designed for accurate comparison of lengths, etc., and the laboratory is provided with special rooms for magnetic, optical, and electrical work. A well-equipped shop and trained mechanics make it possible to have special forms of apparatus constructed which are needed in research work.

## Chemistry.

The instruction in this department is under the direction of Dr. Roger Frederick Brunel, Associate Professor of Chemistry, Dr. James Llewellyn Crenshaw, Associate in Physical Chemistry, and Miss Edith Hamilton Lanman, Demonstrator in Chemistry. The instruction offered in chemistry covers twenty-one hours of lectures a week; it includes ten hours a week of undergraduate major and minor work, five hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in chemistry, and six hours a week of graduate work.

The first year's work, or minor course, is a general introduction to the subject. Lectures are given in inorganic chemistry, and qualitative analysis.

In the second year particular attention is paid to the quantitative side of chemical phenomena. The lectures are on theoretical and organic chemistry.

The post-major courses are intended to prepare students for independent work, particular attention being paid to laboratory methods.

### FIRST YEAR.

#### (Minor Course.)

#### 1st Semester.

(Given in each year.)

#### **Major Course.**

Introduction to General Chemistry, Dr. Brunel.

*Three hours a week.*

Laboratory Work, Dr. Brunel and Miss Lanman.

*Six hours a week.*

The course does not presuppose any knowledge of chemistry. In the class-room the nature of chemical action is taught by lectures that are illustrated by a series of experiments in which the more important substances are made and transformed, the time being spent largely on the non-metals. Throughout the semester the lectures and the laboratory work are complementary. After all the experiments on a given subject have been made the results are discussed in the class-room.

#### 2nd Semester.

The Chemistry of the Metals, Dr. Crenshaw.

*Three hours a week.*

Laboratory Work, Dr. Crenshaw and Miss Lanman.

*Six hours a week.*

This course deals with the properties of the more important metallic elements and their compounds. The methods of separation employed in the laboratory are discussed, and the fundamental principles upon which these methods of separation are based are emphasised. The lectures are supplemented by required private reading.

The laboratory work consists of qualitative analyses. The students are first taught to identify the basic and acidic constituents in solutions; later they are required to carry out complete analyses of alloys, minerals and metallurgical products.

## SECOND YEAR.

*1st Semester.**(Given in each year.)*

Lectures on Elementary Theoretical Chemistry, Dr. Crenshaw.

*Three hours a week.*

In this course chemical facts are considered from the point of view of common and exact relations and from these relations the laws and theories of chemistry are developed. Special attention is paid to the atomic theory, the laws of gases, the theory of solutions and simple equilibria. Private reading and outside preparation amounting to at least three and a half hours a week is required.

Laboratory Work, Dr. Crenshaw.

*Six hours a week.*

The laboratory work consists of quantitative analyses. Each exercise is important in itself and illustrates some principle or involves some manipulation of general application in analytical work.

*2nd Semester.*

Organic Chemistry, Dr. Brunel.

*Three hours a week.*

The methods of preparation and the behaviour of the various classes of organic compounds are studied. Particular emphasis is laid on the relation between the arrangement of atoms within the molecule and the behaviour of the compounds, and on the processes of reasoning by which the constitution of organic compounds is established.

Laboratory Work, Dr. Brunel and Miss Lanman.

*Seven hours a week.*

The laboratory work is devoted to organic preparations. Simple representatives of the more important classes of organic compounds are first prepared and their typical reactions studied. After a familiarity with the methods of dealing with organic substances has been gained, syntheses of a few of the more complex organic compounds are carried out.

*Group:* Chemistry with Mathematics, or with Physics, or with Geology, or with Biology.

## POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

***Post-  
Major  
Courses.***

Organic Chemistry, Dr. Brunel.

*Two hours a week throughout the year.**(Given in each year.)*

The course consists of lectures, assigned reading with occasional reports, and laboratory work. It is intended to broaden the student's acquaintance with the subject and to serve as an introduction to the study of present day chemical problems.

At least four hours of laboratory work a week will be required, three hours' credit being given for the course. The laboratory work will consist of the preparation of compounds, organic analysis, and study of the methods for determining the constitution of organic compounds.

Physical Chemistry, Dr. Crenshaw.

*Two hours a week throughout the year.**(Given in each year.)*

The aim of the lectures is to extend the student's knowledge of theoretical and physical chemistry and to lay a foundation for independent work in this subject. The lectures are



intended to give a general outline of the subject. The solution of a large number of problems is required.

The laboratory work amounting to four and a half hours a week is designed to prepare the student for physico-chemical research.

Inorganic Chemistry, Dr. Crenshaw. *One hour a week throughout the year*  
(Given in each year.)

Selected topics in inorganic chemistry are discussed in detail, and parallel reading is required. In the laboratory work of four and a half hour a week advanced quantitative analyses are included.

#### GRADUATE COURSES.

#### **Graduate Courses.**

The advanced courses in chemistry consist of lectures upon inorganic, organic, and physical chemistry, seminary work, reports upon current chemical literature, and laboratory exercises. In the laboratory work the students are required to become familiar with the literature bearing upon the subjects they are studying, and it is therefore necessary for them to have a reading knowledge of French and German.

The lecture courses are varied from year to year to meet the requirements of students and to form a consecutive course for those who wish to make chemistry the major subject in the examination for the degree of Doctor of Philosophy. Such students may specialise either in organic chemistry under the direction of Dr. Brunel, or in physical or inorganic chemistry under the direction of Dr. Crenshaw, but students who elect organic chemistry as the major subject of examination must take physical chemistry as the associated minor, and students who elect physical chemistry as the major subject, must take organic chemistry as the associated minor.

No undergraduates are admitted to graduate courses.

Chemical Seminary, Organic Chemistry, Dr. Brunel.

*One hour a week throughout the year.*

(Given in each year.)

This is intended primarily for students who are carrying on research in organic chemistry, and consists of reports on assigned topics which are usually related to the research in which the student is engaged.

Chemical Seminary, Inorganic Chemistry, Dr. Crenshaw.

*One hour a week throughout the year*

(Given in each year.)

The course consists of lectures, required reading, and reports on various topics. The needs of the individual students are considered in selecting the subjects for discussion.

Physical Chemistry, Dr. Crenshaw. *Two hours a week throughout the year*

(Given in each year.)

In the lectures no attempt is made to give a general survey of the subject, but certain selected portions of the science are treated in detail and the student is made familiar with problems of current interest.

**Advanced Organic Chemistry, Dr. Brunel.**

*One hour a week throughout the year.*

*(Given in each year.)*

Lectures, reading, and occasional reports covering the historical developments and present status of subjects of current interest. In the year 1915-16 the topics taken up are Tautomerism; the Mechanism of Chemical Reactions; the Alkaloids. In the year 1916-17 a large part of the time will be spent on the carbo-hydrates.

Students counting this course as the equivalent of a seminary to make up a graduate minor will be required to carry on laboratory work, sufficient to make the work of the course occupy sixteen hours a week. The nature of this work depends so largely on the past training of the student that no definite statement can be made regarding it. A sufficiently advanced student may be assigned a problem.

Chemical Journal Club, Dr. Brunel, Dr. Crenshaw, and Miss Lanman.

*One hour a week throughout the year.*

The advanced students and the instructors meet to hear reports and discuss recent scientific articles.

**Geology.**

The instruction in this department is under the direction of Dr. Florence Bascom,\* Professor of Geology, Dr. Thomas Clachar Brown, Associate in Geology, and Dr. Benjamin Franklin Wallis, Lecturer in Geology.

The instruction offered in geology covers twenty hours of lectures a week; it includes the equivalent of ten hours a week of undergraduate major and minor work, two free elective courses of one hour a week, four post-major courses of two and three hours a week open only to graduates and to undergraduates that have completed the major course in geology, and two graduate seminars of three hours a week but all these courses will not be given in the same year.

The first year of the major course in geology is arranged to give a general survey of two divisions of the science and at the same time to introduce the student to the larger field of geology. It may be taken as a free elective or as a year of required science or as the first year of the group course in geology. The purpose of the course is to make clear to the student the present constitution, form, and evolution of the earth's crust, and to give some insight into the nature of geological problems.

The second year of the major course deals with the rocks and minerals of the earth's crust, and also affords training in structural geology.

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\* Granted leave of absence for the year 1915-16. The courses offered by Dr. Bascom in 1915-16 are given by Dr. Wallis.

Post-major courses in petrography, mineralogy, and paleontology are offered in each year, and are designed to train the student in petrographic methods for the exact determination of rock species and rock families and in the principles of invertebrate and vertebrate paleontology. They are an essential preliminary to research work in the science.

Excellent illustrative material for the graduate and undergraduate courses is furnished by the geological and paleontological collections of the college, including the Theodore D. Rand rock and mineral collection, which alone contains over 20,000 specimens, by the private collections of the instructors, and by material lent by the United States Geological Survey. The department is also fortunate in its proximity to the museum of the Academy of Natural Sciences of Philadelphia. Within easy reach of the college are good collecting fields for fossil, mineral, and rock specimens.

#### FIRST YEAR.

##### (Minor Course.)

##### 1st Semester.

(Given in each year.)

#### Major Course.

Physiography, Dr. Bascom.\*

Three hours a week

Field Work and Laboratory Work, Dr. Bascom.\*

Six hours a week

The lectures deal primarily with the character and action of the forces which control the landscape and with the features produced by these forces; subordinately physiographic regions are discussed. The lectures are illustrated by photographs, lantern slides, geographic relief models, and maps.

In the laboratory the student is occupied with a study of the development of physiographic forms. This is conducted with the use of Davis' *Atlas for Practical Exercises in Physical Geography* assisted by models, photographs, topographic maps, and natural illustrations.

For the field work, excursions are made into the immediate neighbourhood on Mondays from 2 to 4 p. m. during the autumn and spring. On all excursions instruction in field geology is given, areal mapping is accomplished, and reports of the areas covered are required of the students. Reading amounting to three hours will be required of students absent from a field trip. During the winter months laboratory work replaces the field excursions.

##### 2nd Semester.

Introduction to Historical Geology, Dr. T. C. Brown. Three hours a week.

Field Work and Laboratory Work, Dr. T. C. Brown. Six hours a week

The lectures deal with the evolution of continents and of life, and with the distribution and character of the various rock formations. Special attention is given to the development of life and to the theory of evolution.

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\* See footnote, page 141.

In the laboratory the student becomes familiar with the typical flora and fauna of the successive geologic formations and with the development of the more important classes. The field work involves excursions to fossiliferous localities in the Paleozoic formations of Pennsylvania, and to the Mesozoic and Cenozoic formations of New Jersey. During the winter months and when the weather is unsuitable laboratory work is substituted for the field work.

## SECOND YEAR.

*1st Semester.**(Given in each year.)*

Megascopic Petrology, Dr. T. C. Brown.

*Three hours a week.*

Field Work and Laboratory Work, Dr. T. C. Brown.

*Six hours a week.*

The lectures discuss the materials which constitute the earth's crust; the principal rock-forming minerals and others of special economic importance are first described; the important rock types, sedimentary, igneous, and metamorphic are described and their relations shown. The course closes with a discussion of the phenomena and principles of vulcanism and seismology. The lectures are illustrated by mineral and rock specimens, photographs, lantern slides, and wooden models. Private reading and outside preparation amounting to at least three and a half hours a week are required.

In the laboratory the students become familiar with methods for the rapid determination of the most common and most important rock forming and ore minerals; this is followed by a systematic study of the principal rock types.

Field excursions are made to mineral localities in the vicinity of the college.

*2nd Semester.*

Glaciology and Structural Geology, Dr. Bascom.\*

*Three hours a week.*

Field Work and Laboratory Work, Dr. Bascom.\*

*Six hours a week.*

The lectures treat of the evidences, conditions, work, and causes of the glacial period; the development of man; the causes and effects of earth movements; hypotheses of the origin and of the age of the earth. The course is illustrated with models, photographs, and lantern slides. Private reading and outside preparation amounting to at least three and a half hours a week are required.

In the laboratory topographic maps and models illustrating features due to glaciation and geologic folios, maps, and models illustrating geologic structures are studied. Practice is given in topographic mapping from models, in modeling from topographic maps, and in drawing structure sections.

The field work of the first semester is continued and training in topographic mapping may also be given.

*Group: Geology with Mathematics, or with Physics, or with Chemistry, or with Biology.*

## FREE ELECTIVE COURSES.

Cosmogony, Dr. Bascom.

*One hour a week throughout the year.**(Given in 1916-17 and in 1918-19 if the time of the department permits.)****Free  
Elective  
Courses.***

The work of the course is conducted by means of lectures, required reading and classroom discussion. The lectures treat of the origin of the earth, the growth of the continents and the development of landscape, and are illustrated by lantern slides. The reading is intended to supplement the lectures and to furnish further material for discussion. The course is intended to give a survey of the more important results reached by geological research.

\* See footnote, page 141.



**Meteorology, Dr. T. C. Brown.***One hour a week throughout the year.**(Given in 1916-17 and again in 1918-19.)*

This course will consist of a series of lectures, supplemented by required reading, on the general field of meteorology and the phenomena with which this science deals. The discussions will deal with the atmosphere, atmospheric temperatures and pressures; winds, dew, frost, clouds, rain, and snow; cyclonic storms, local storms, causes and distribution of rainfall; weather maps and weather predictions.

**Evolution of the Vertebrates, Dr. T. C. Brown.***One hour a week throughout the year.**(Given in 1915-16 and again in 1917-18.)*

This course consists of lectures illustrated by charts, diagrams, lantern slides and photographs. It gives a comprehensive outline of the evolution of the vertebrates from the earliest appearance of representatives of this group to the present time. This vertebrate phylum not only contains the highest types of animal life but is the only phylum which has gone through the whole of its evolution since the beginning of geological history as recorded in the fossil-bearing rocks. The course will consider first those primitive types which perhaps represent ancestral vertebrate forms and then will consider in the order of their appearance the five great classes of Fishes, Batrachians, Reptiles, Birds, and Mammals. The rise and development of the mammals will be followed in considerable detail, and an attempt will be made to show the relation between the types which were developed and their environment including the geographic, physiographic, and climatic factors as well as the surrounding animal and plant life.

**POST-MAJOR COURSES.****Post-Major Courses.**

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

**Petrography, Dr. Bascom.\****Three hours a week throughout the year.**(Given in 1915-16 and again in 1917-18.)*

During the first semester the lectures deal with the principles of optical crystallography, the optical means of mineral determination, and the petrographic characters of rock-forming minerals. In the second semester the textures, constitution, origin, geographic distribution, and geologic associations of igneous rocks are treated. Practice is given in the quantitative system of classification. Special field problems may be given to the students for independent solution.

**Determinative Mineralogy, Dr. Bascom. Two hours a week throughout the year.***(Given in 1916-17 and again in 1918-19.)*

In this course lectures and laboratory practice deal with the determination of minerals by means of physical tests and by blow-pipe analysis. Special emphasis will be placed on crystal forms and practice will be given in the use of the two-circle contact goniometer.

The course will be given if elected by a sufficient number of students.

**Vertebrate Paleontology, Dr. T. C. Brown.***Two hours a week throughout the year.**(Given in 1915-16 and again in 1917-18.)*

A systematic study is made of the vertebrate remains which have been found as fossils. Since the vertebrate organisms represent the highest phase of development to which the

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\* See footnote, page 141.

animal kingdom has attained, a study of their past history is of prime importance in elucidating some of the most fundamental principles in the evolution of life. The course will be given if elected by a sufficient number of students.

### Invertebrate Paleontology, Dr. T. C. Brown.

*Three hours a week throughout the year.*

*(Given in 1916-17 and again in 1918-19.)*

The course presupposes a knowledge of historical geology. During the first semester a systematic study is made of the various classes of invertebrate animals which are found in a fossil state. Special attention is given to the relations of these classes to each other, and any bearing that this may have on the theory of evolution is pointed out. Those classes which are of practical value to the stratigraphic geologist in determining the geologic age of formations are dwelt upon at considerable length. Excursions are made to neighbouring fossiliferous localities to collect fossils and to observe their occurrence in the rocks. The student has access, not only to the representative paleontological collection of Bryn Mawr College, but also to the large collections of the several academies and institutions in Philadelphia.

The work of the second semester is designed to make the students familiar with methods of applying a knowledge of invertebrate paleontology to the problems of geology. It will treat in detail each of the successive faunas or assemblages of animal life which have developed since the opening of the Cambrian period. An attempt will be made to show that each fauna was a direct response to the environment which surrounded it, and the probable geologic, physiographic, and climatic factors of this environment will be discussed.

### GRADUATE COURSES.

The graduate courses in petrology and crystallography should be preceded by the major and post-major courses or their equivalents and are intended primarily for graduate students wishing to make inorganic geology a major subject for the degree of Doctor of Philosophy. The graduate course in crystallography is also intended to meet the needs of graduate students in chemistry who wish to make crystallography a minor subject for the degree of Doctor of Philosophy. The graduate courses in stratigraphic geology and paleontology and paleogeography are designed primarily for graduate students wishing to make organic geology a major subject for the degree of Doctor of Philosophy; they may also be taken by graduate students in biology who wish to make paleontology a minor subject for the degree of Doctor of Philosophy. Further graduate courses in petrology and paleontology will be arranged to suit the requirements of candidates for the degree of Doctor of Philosophy and research problems will be assigned.

Students may specialise either in petrology and crystallography, under the direction of Dr. Bascom, or in stratigraphic geology and paleontology, under the direction of Dr. T. C. Brown, but students who make inorganic geology the major subject of examination must take either organic geology, inorganic chemistry or crystallography, as the associated minor, and students who elect organic geology as the major subject, must take either inorganic geology or biology as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to the graduate courses.

### **Graduate Courses.**

## Seminary in Petrology and Crystallography, Dr. Bascom.\*

*Three hours a week throughout the year.**(Given in each year.)*

This seminary is conducted by means of informal discussions, required reading, laboratory work, and formal reports. The selection of subjects in petrology is dependent upon the needs of the individual students. In crystallography direction is given in crystal measurement by the reflecting goniometer, in crystal projection, and crystal drawing. The seminary involves as much laboratory work as the time of the student permits.

## Seminary in Stratigraphic Geology and Paleontology, Dr. T. C. Brown

*Three hours a week throughout the year.**(Given in each year.)*

The nature of the work in this seminary is determined by the needs of the students. The work consists of consultations, required readings, formal reports, and laboratory work. Students specialising in stratigraphic geology devote their attention to the principles of stratigraphy and the stratigraphic succession in North America. For those who specialise in paleontology the work consists of a detailed study of the modern methods of paleontologic research and of the succession of fossil faunas.

## Geological Journal Club, Dr. Bascom and Dr. T. C. Brown.

*One hour a week throughout the year.*

The graduate students and the instructors meet for the presentation and discussion of recent geological literature.

**Biology.**

The instruction in this department is under the direction of Dr. David Hilt Tennent, Professor of Biology, Dr. Arthur Russell Moore, Associate Professor of Physiology, and Miss Mary Edith Pinney, Demonstrator in Biology. The instruction offered in biology covers twenty-three hours of lectures a week; it includes the equivalent of ten hours a week of undergraduate minor and major work; one hour a week of free elective work; six hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in biology, and six hours a week of graduate lectures and seminary work. The post-major work may be further extended by special laboratory courses.

The work of the first year, or minor course, forms a general introduction to the subject through a broad, comparative study of living things (general biology). In the second year the foundation of a minuter knowledge of animal morphology and physiology is laid. The third year's work, or post-major course, is devoted to the study of more advanced subjects and the prac-

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\* See footnote, page 141.

tical investigation of simple problems. A knowledge of the elements of chemistry and physics is very desirable for students entering any course in biology, and is necessary for advanced work in the subject.

## FIRST YEAR.

(Minor Course.)

## 1st Semester.

(Given in each year.)

Lectures on General Biology, Dr. Tennent.

Three hours a week.

Laboratory Work, Dr. Tennent and Miss Pinney.

Six hours a week.

**Major  
Course.**

## 2nd Semester.

Lectures on General Biology, Dr. Tennent and Dr. Moore.

Three hours a week.

The first nine weeks of the semester are devoted to the study of the blood, circulation, and respiration, with especial reference to mammals. The lectures on embryology of vertebrates follow, and are given three hours a week throughout the remainder of the semester.

Laboratory Work, Dr. Tennent, Dr. Moore and Miss Pinney.

Six hours a week.

It is the object of this course to give the student clear conceptions of the fundamental principles of morphology and physiology and of the relations of the biological sciences to one another and to other branches of science. The laboratory practice is designed to enable the student, as far as possible, to examine for herself the facts discussed in the lectures, to encourage the habit of exact observation, and to impart a knowledge of methods of practical work.

The general subject is treated in two courses which supplement each other and must be taken together. The course in the first semester deals especially with the lower forms of life, the relations of plants and animals, and the more general principles of the science. The course in the second semester is devoted more largely to the higher forms of animal life, with special reference to physiology.

The work is designed not simply to teach the elements of zoology and botany, as commonly understood, but in addition to this to treat plants and animals with constant reference to one another, both in their structure and in their mode of action. Stress is therefore laid on the essential facts of comparative morphology and physiology (general biology) as illustrated by the thorough study of a few types, rather than on the minutiae of classification. At the same time the work is arranged with reference to subsequent special work in zoology, botany, and physiology.

In the first semester the student examines a number of animals and plants, so arranged as to form a natural progressive introduction to the general principles of biology. The student makes a detailed examination of unicellular organisms, and from these proceeds gradually to the complex conditions of structure and function found in higher plants and animals. In the second semester attention is given mainly to the biology of the higher animals. The course ends with a study of the embryology of the frog and, in greater detail, that of the chick.

## SECOND YEAR.

## 1st Semester.

(Given in each year.)

General Physiology, Dr. Moore.

Three hours a week.

Laboratory Work, Dr. Moore and Miss Pinney.

Six hours a week.



The instruction in general physiology consists of a systematic course of lectures upon the properties of living matter supplemented by experiments in the laboratory, frequent oral or written quizzes.

In the laboratory the student becomes acquainted with the reactions of simple protoplasm and methods of analysis of such reactions, and performs a number of fundamental physiological experiments using vertebrates and invertebrates as material. The aim of the laboratory work is to develop the power of accurate observation and description, having in view the solution of problems rather than merely checking preconceived notions.

To this end all experiments are carefully written up and handed in with the graphic record, if any, for criticism, after which they are returned for correction. Any serious errors are discussed personally with the student. Matriculation physics and chemistry are strongly recommended as preparation for this course.

## *2nd Semester.*

General Zoology, Dr. Tennent and Dr. Moore.

*Three hours a week.*

The course in general zoology extends the work of the first year so as to include a survey of the phenomena of animal life, the first nine weeks being devoted to a consideration of the morphology of the invertebrates and the remainder of the semester to a study of the physiology of type forms. Part of the course is devoted to a critical analysis of the theory of evolution and discussions of the broader philosophical problems of biology such as heredity, variation, adaptation, and kindred topics. These lectures vary somewhat from year to year, and are intended to be suggestive rather than exhaustive in character.

Laboratory Work, Dr. Tennent, Dr. Moore, and Miss Pinney.

*Six hours a week.*

*Group:* Biology with Psychology, or with Mathematics, or with Physics, or with Chemistry, or with Geology.

## FREE ELECTIVE COURSE.

Theoretical Biology, Dr. Tennent.

*One hour a week throughout the year*

*(Given in each year.)*

This is a historical course dealing with the development of the theories of biology. The course is open to students who have had one year's training in science. A considerable amount of assigned reading is required.

## POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Protoplasm, the Cell, and Cytological Technique, Dr. Tennent.

*One hour a week during the first semester.*

*(Given in 1915-16 and again in 1917-18.)*

This course consists of a study of the structure of protoplasm, the structure of the cell, the phenomena of cell division, maturation and fertilisation. Both plant and animal cells are studied, and instruction is given in methods of preparing cytological material for microscopical examination. This course is to be taken with four hours laboratory as a two hour course.

## **Free Elective Course.**

## **Post- Major Courses.**

**Experimental Morphology, Dr. Tennent.**

*One hour a week during the second semester.*

*(Given in 1915-16 and again in 1917-18.)*

The object of this course is to give a general historical view of experimental morphology of both plants and animals, to discuss some of the methods employed, to point out the results already obtained, and to indicate the nature of the work now being done in the subject. The topics discussed are: regeneration in Protozoa and Metazoa, behaviour of lower organisms, experiments on the fertilised and unfertilised egg, Mendel's experiments in hybridisation, and De Vries *Oenothera* mutants. This course is to be taken with four hours laboratory as a two hour course.

**Embryology of Vertebrates, Dr. Tennent.**

*One hour a week throughout the year.*

*(Given in 1916-17 and again in 1918-19.)*

This course consists of lectures, assigned reading, and laboratory work on the embryology of vertebrates. The lectures deal with the development of specific forms and with theoretical questions of embryological interest. The department has material for the study of the development of *Amphioxus*, *Ascidian*, *Amia*, *Lepidosteus*, *Squalus*, *Ctenolabrus*, *Necturus*, *Rana*, *Chrysemys*, *Chick*, and *Pig*. At least four hours of laboratory work will be required.

The course is divided as follows: First semester, Early stages of development. Second semester, Organogeny.

**Biochemistry, Dr. Moore.**

*Three hours a week throughout the year.*

*(Given in each year.)*

This course consists of lectures, assigned reading and laboratory work. At least four hours a week of laboratory work are required. The laboratory work includes a study of the properties and reactions of proteins; fats and carbohydrates; of the methods of preparation and modes of action of enzymes, of the physical and chemical properties of milk, blood, and urine; and the properties of the colloids. A preliminary training in chemistry at least equivalent to that obtained in the minor course is required.

**Recent Advances in Biochemistry, Dr. Moore.**

*One hour a week throughout the year.*

*(Given in 1915-16 and again in 1917-18.)*

This course consists of lectures, and reports on assigned reading, dealing with the biochemistry of enzymes, secretion, fertilisation, and development. The laboratory work and required reading together amount to one and a half hours a week.

**Comparative Physiology of the Central Nervous System, Dr. Moore.**

*One hour a week throughout the year.*

*(Given in 1916-17 and again in 1918-19.)*

The function of the nervous system in invertebrates with reference to instincts and tropisms. In addition to the lectures demonstration experiments are given, and from time to time the students are asked to report on recent articles. The laboratory work and reading together amount to one and a half hours a week.

**Laboratory Work, Dr. Tennent and Dr. Moore.**

It is desirable that as much laboratory work as possible should be done in connection with the courses offered above. The object of the laboratory work is to give the student experience in the use of apparatus and in adapting it to research. Some special problem is assigned to each student; at the end of the year the results of the work are presented in writing.

## GRADUATE COURSES.

**Graduate Courses.**

Six hours a week of seminary work and graduate lectures are offered each year to graduate students of biology accompanied by the direction of private reading, laboratory work and original research. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to six hours a week may be elected by graduate students. The advanced courses are varied from year to year so as to form a consecutive course for students that wish to make biology one of the chief subjects of the examination for the degree of Doctor of Philosophy. Such students may specialise either in animal morphology under the guidance of Dr. Tennent, or in physiology or biochemistry under the guidance of Dr. Moore.

Seminary in Zoology, Dr. Tennent. *Three hours a week throughout the year*  
(Given in each year.)

In 1915-16 Embryology of Invertebrates is the subject of the seminary. The work includes a systematic survey of the normal development of invertebrates; of the problems of germinal organization, cleavage and differentiation, and a discussion of the bearing of these questions on evolution and inheritance.

In 1916-17 Genetics will be the subject of the seminary. The work includes a discussion of biometrical methods and results; of investigations on "pure lines"; of the effectiveness of selection; of the relation between chromosomes and heredity; of various theories of heredity and of the application of these ideas in animal and plant breeding.

In 1917-18 Cytology will be the subject of the seminary. The work will deal with the anatomy of the cell and the relations and functions of its various structures in unicellular and multicellular organisms.

Special attention is given to the phenomena of spermatogenesis and oögenesis and the theories connected therewith.

Seminary in Physiology, Dr. Moore. *Two hours a week throughout the year*  
(Given in each year.)

In 1915-16 selected problems dealing with the gastro-intestinal tract are considered. The work consists of reports by the students, and discussion of recent problems in the subject.

In 1916-17 Problems in the Chemistry of the Enzymes will be treated by similar methods.

In 1917-18 Internal Secretions will be the subject of the seminary.

The order of subjects may be varied to meet the needs of the students.

Biological Journal Club, Dr. Tennent and Dr. Moore.

*One hour a week throughout the year*

The advanced students and the instructors meet for the presentation and discussion of topics of current biological literature.

Laboratory Work, Dr. Tennent and Dr. Moore.

There is no regular course of laboratory instruction for graduates. Each student desiring to devote a considerable portion of her time to such work is given an experimental problem for verification or extension. The nature of the work depends in each case on the qualifications of the student.

### Department of Health and Hygiene.

The health of the students is under the care of a Health Committee consisting of the President of the College, the Dean of the College, the Director of Athletics and Gymnastics, and the Physicians of the College.

Every undergraduate student and hearer must be examined each year by the Assistant Physician of the College, and twice each year by the Director of Athletics and Gymnastics with reference to physical development, strength of heart and lungs, and general health. The eyes of students are examined by the Examining Oculist of the College during the first semester after entering the college and again during the first semester of the junior year. Students who cannot furnish evidence of successful vaccination within a period of two years are vaccinated by the college physicians.

Eminent specialists practising in Philadelphia whose names may be found in the list of academic appointments have consented to serve as consulting physicians of the college. The Assistant Physician will be in her college office during the hours from four to half past five of every afternoon except Sunday and may be consulted by the students without charge.

All students who are not under the special care of the attending physicians on account of illness are under the immediate care of the Director of Athletics and Gymnastics. She receives the reports of students on the special supervision list, keeps careful records of the health of all students and endeavours by lectures, interviews, personal advice, exercise, and general hygiene to maintain and improve the health of the students. A course of six lectures on personal and community hygiene is given each year which freshmen are required to attend.

The infirmary fee of \$10.00 paid by every resident student entitles her to be cared for in the infirmary for five days (not necessarily consecutive) during the year without paying extra fees for nurses or for attendance by the college physicians, and also to the services of the nurses employed by the college during other temporary illness, provided one of the regular nurses is free at the time. In the case of an illness of more than five days' duration and also of all diseases of an infectious character the student must meet, or in case of two or more students with the



same infectious disease share, the expense of a special nurse, the infirmary fees, and also hospital or sanitarium charges for board and residence should she be removed from the college by order of the Physician in Chief. During the five days specified above the attendance fees of the college physicians are paid by the college. All further fees must be paid by the student.

A special nurse for one student costs \$5.30 per day (nurse's fee \$4.00, board \$1.00, laundry .30) or \$34.10 per week (nurse's fee \$25.00 per week, board \$7.00, laundry \$2.10). In the case of infectious diseases the special nurse costs \$6.30 a day (nurse's fee \$5.00 per day) or \$39.10 per week (nurse's fee \$30 per week). The infirmary fee is \$3.00 per day. It is often possible for two or three students to be nursed by one extra nurse at the same time, thus reducing the fee for nursing. When a student has not an infectious disease the infirmary fee of \$3.00 per day will include the nurse's fee provided it is possible for one of the college nurses to care for the student. The attendance fees of the college physician are \$2.00 per visit. The fees of the consulting physicians and surgeons and other specialists recommended by the college will be furnished on request.

All communications concerning the health of the students from parents and guardians, outside physicians, and others should be addressed to the Dean of the College, who will also excuse students for absence on account of illness before and after vacations and from attendance on academic work.

### Athletics and Gymnastics.

The exercise of the students is under the care of Miss Constance M. K. Applebee, Director of Athletics and Gymnastics, and Miss Cynthia Maria Wesson, Assistant to the Director of Athletics and Gymnastics.

The gymnasium (see page 155) is open for the use of students from 7 A. M. to 10 P. M. daily. Three periods of exercise a week are required of all resident and non-resident undergraduate students and hearers throughout the year. From December first till April first attendance twice a week in the gymnasium is compulsory for all resident and non-resident undergraduate students and hearers. Students may take part during the year in the following forms of exercise which are organised by the Athletic Association under the supervision of the Director: in the autumn, tennis and hockey; in the winter, water polo, swimming meet, fencing, and indoor track athletics; in the

spring, basketball, track, and tennis. All students are required to take six lessons in swimming each semester until able to satisfy the required test. No undergraduate student will be excused from the required exercise except by order of the Director of Athletics and Gymnastics. Special exercises are prescribed for students needing individual corrective work, and these are taken in addition to the regular class work. Every student while exercising in the gymnasium must wear a gymnasium suit of the regulation pattern.

### Opportunities for Public Worship.

In the vicinity of the college there are churches of almost all the various religious denominations. Coaches are provided by the college on Sundays to enable students to attend the churches in the neighbourhood.

Religious services are held in the college every Sunday evening by prominent clergymen of different denominations. A vesper service is held every Sunday afternoon and there is daily morning chapel. Attendance on all the religious exercises of the college is voluntary.

### COLLEGE BUILDINGS.

The college buildings are situated at Bryn Mawr, in the suburbs of Philadelphia, five miles west of the city, on the main line of the Pennsylvania Railroad. The site of the college is four hundred and twenty feet above sea level in the midst of a beautiful rolling country made accessible by good roads in every direction. The college grounds cover fifty-two acres, and include lawns, tennis-courts, and three large athletic fields.

Taylor Hall (named after the founder), a large building of Port Deposit stone, contains a general assembly room, eleven lecture-rooms, and the offices of administration.

The library, the gift of the friends, graduates, and students of the college, begun in April, 1903, was completed in February, 1907. It is built of gray stone in the Jacobean Gothic style of architecture of the period of 1630 and forms three sides of a closed quadrangle. The main building, devoted to the library proper, faces east and is opposite and parallel to Taylor Hall at

a distance of about fifty yards; the principal entrances of the two buildings face each other and are connected by a broad cement path. The east front is one hundred and seventy-four feet long and contains a three-story stack with accommodation for 88,000 volumes, and above this a large reading-room with desks for one hundred and thirty-six readers, each desk screened to a height of two feet as in the British Museum reading-room to secure privacy to the reader. No books of reference are kept in the main reading-room. Beyond the reading-room on the south side are the newspaper and magazine rooms. On the north side are the Art and Archæological Seminaries, containing collections of photographs, vases, and coins. The main building contains the Stack, the New Book Room, Reference Book Room, the Carola Woerishoffer Memorial Room, the Reserved Books Room, the Christian Association Library, one professor's office, and four cloak rooms. The wings of the building, running symmetrically about two hundred feet in length from the north and south ends of the main building, contain twelve seminary rooms and twenty-seven professors' offices. The books needed for graduate study and research are kept in the seminary rooms and graduate lectures are held in them. The seminaries are arranged as follows: Greek, Latin, English, Art, Archæology, German, French, Italian and Spanish, Semitic Languages, and Philosophy in the north wing; Mathematics, History, Economics and Psychology in the south wing, where are also offices for the librarians and cataloguers. The total book capacity of the library, including the seminary libraries and the books for general study which are kept in the stack, is 168,449 volumes. The building is absolutely fireproof. Professors' offices for the senior professors in each department adjoin the seminary rooms. There are also two seminary lecture-rooms accommodating about fifteen students, one general lecture-room accommodating forty-two students, and three interview rooms.

On the first floor of the south wing the department of experimental psychology has two large laboratories, one for general work and one for research. The basement of the north wing contains rooms for the Monograph Committee of the Faculty, the Alumnæ Association, and fireproof safe rooms for the records



and archives of the college. The quadrangular court enclosed by the building is surrounded by cloisters and in the centre of the grass enclosure is a fountain, the gift of the class of 1901.

The library is open for students on week-days from 8 A. M. till 10 P. M. and on Sundays from 2 P. M. till 10 P. M. It is open for the faculty at all hours.

In January, 1893, the scientific departments of the college were transferred to Dalton Hall, a stone building erected by the trustees out of funds in large part contributed by the generosity of friends of the college. Dalton Hall is entirely occupied by the scientific departments, the special scientific libraries, and the consultation-rooms of the professors of science. The first floor and the basement are reserved for physics, the second floor is reserved for biology, the third floor for chemistry, and the fourth and fifth floors for geology. In December, 1893, a greenhouse designed for the use of the botanical department was added to Dalton Hall as the gift of the alumnae and students.

Around Taylor Hall the trustees have erected halls of residence for the accommodation of students. Plans and descriptions of the six halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall East, Pembroke Hall West, and Rockefeller Hall, the gift of Mr. John D. Rockefeller, and of the academic buildings, Taylor Hall, the Library, and Dalton Hall, are published in Part 4 of the Bryn Mawr College Calendar to be obtained from the Secretary of the College.

Music-rooms with sound-proof walls and ceilings are provided in Pembroke Hall East, and rooms where the students can have hairdressing and dressmaking done, and a club-room for non-resident students in Rockefeller Hall.

The new gymnasium, erected on the site of the first gymnasium and the gift of the Athletic Association, the alumnae and thirteen neighbors of the college, was completed in February, 1909. It is open to the students from 8 A. M. till 10 P. M., daily, contains a large hall for gymnastic exercises, with a running or walking track for use in rainy weather; a room for the director and an adjoining room for the examination and record of the physical development of the students, a waiting-room, and cloak rooms. In the basement are dressing-rooms and shower-baths for use after exercise and a swimming-tank, seventy feet



long, twenty feet wide, and from four to seven and a half feet deep, given in 1894 by the alumnae, students, and friends of the college, and well supplied with apparatus for the teaching of swimming. The gymnasium is under the charge of a director and two assistants.

On the grounds, separated from other buildings, is the Class of 1905 infirmary opened in October, 1913, with accommodation for patients and nurses, doctors' offices and consultation rooms, diet kitchens, bathrooms, wards and private rooms, sun parlour, sun terrace, and two isolation wards.

The Phebe Anna Thorne Out-of-door Model School is situated on the campus and has its own out-of-door class room and athletic ground.

A central power-house, which was erected in 1902 as part of the gift of Mr. John D. Rockefeller, furnishes heat, electric light, and hot water for all the college buildings. Steam is conducted through tunnels underground to coils in the basement of each building. Air brought in from the outside is blown through the heaters by powerful fans and distributed to the various rooms, and the system is so adjusted as to change the air completely in every room once in every ten minutes throughout the day and night. The temperature is regulated by thermostats in the heating coils as well as in the individual rooms. The electric lights, including electric reading-lamps for each student, are installed in the most approved manner and the voltage is kept constant so that there is no fluctuation. A constant and abundant supply of hot water is laid on and maintained at a temperature of 180 degrees during all the twenty-four hours of the day, in all the bathrooms and stationary wash-stands and tea pantries.

The Bell Telephone Company, a branch of the American Telephone and Telegraph Company, maintains telephone pay stations in each of the halls of residence, in the library, and in the gymnasium, by means of which the students may be communicated with at any time. Near the college are a Postal Telegraph-Cable Company office (service 6 A. M. to 12 P. M.), an Adams Express office, a United States money-order office, and two banks. There are good roads in every direction. Horses for riding and driving may be kept at livery near the college at a cost of twenty-five dollars a month.

### The Library.

The fact that the college is situated in the suburbs of Philadelphia enables the student to make use of all the resources of the libraries of Philadelphia, as well as those of the college proper. *Libraries.*

The college library has been collected within the past thirty years, and is designed to be, as far as possible, a library for special study. There are at present on its shelves about seventy-five thousand bound volumes, and ten thousand doctor's dissertations and pamphlets, the collection including the classical library of the late Professor Sauppe, of Göttingen, which was presented to the college in 1894, and the Semitic library of the late Professor Amiaud, of Paris, acquired in 1892. A more detailed description of these two collections may be found on pages 56 and 91.

The books needed principally for graduate and research work are shelved in the fourteen seminary libraries and the books on physics, chemistry, geology, and biology in the departmental libraries in Dalton Hall adjoining the laboratories in these subjects. The books of reference, sets of periodicals, and proceedings of societies and the main collection of the library are kept in the stack room.

In each of the six halls of residence are collections of from five to six hundred volumes each, consisting of books useful to undergraduate students, not only supplementing their private libraries, but duplicating such books in the general library as are most used. A seventh collection of this character is kept in the main library for the use of non-resident students.

Students may take from the general and departmental libraries for periods of two weeks each, any books except reference books and books reserved for special use. Books in the hall libraries and books reserved for special use may be taken for two hours.

The sum of about seven thousand dollars is expended yearly for books under the direction of the heads of the several collegiate departments, and, in addition to many gifts of books, about twenty thousand dollars has been presented to the library during the past ten years for expenditure in special depart-

ments. Over four hundred publications and reviews in the English, German, Greek, French, Italian, Spanish, and Swedish languages are taken by the library, as follows:

*General and Miscellaneous Periodicals.*

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| <p>Abhandlungen der Königlichen Bayerischen Akademie der Wissenschaften zu München.</p> <p>Academy.</p> <p>*Amherst Graduates' Quarterly.</p> <p>Annales Politiques et Littéraires.</p> <p>Athenæum.</p> <p>Atlantic Monthly.</p> <p>*Bibliothèque de la Faculté des Lettres de l'Université de Paris.</p> <p>Bookman.</p> <p>Bookman (English).</p> <p>*Book News Monthly.</p> <p>Bookseller.</p> <p>*Bryn Mawr Alumnae Quarterly.</p> <p>Bulletin of Bibliography.</p> <p>*Bulletin of the New York Public Library.</p> <p>*Bulletin of the Pan-American Union.</p> <p>Century.</p> <p>*Columbia University Quarterly.</p> <p>Contemporary Review.</p> <p>Country Life in America.</p> <p>Cumulative Book Index.</p> <p>Deutsche Rundschau.</p> <p>Dial.</p> <p>Drama.</p> <p>Edinburgh Review.</p> <p>English Review.</p> <p>Fortnightly Review.</p> <p>Forum.</p> <p>Göttingische Gelehrte Anzeigen.</p> <p>Harper's Monthly Magazine.</p> <p>Harvard Graduates' Magazine.</p> <p>L'Illustration.</p> <p>Independent.</p> <p>Jahresverzeichnis der an den deutschen Schulanstalten erschienenen Abhandlungen.</p> <p>*Johns Hopkins University, Circulars.</p> <p>Library Journal.</p> <p>Literary Digest.</p> <p>Masses.</p> <p>McClure's Magazine.</p> <p>Memorial de la Librairie Française.</p> <p>Mercure de France.</p> <p>Mind and Body.</p> <p>*Monthly Bulletin of the Carnegie Library of Pittsburgh.</p> <p>Münchener allgemeine Zeitung.</p> | <p>Nachrichten von der Königlichen Gesellschaft der Wissenschaften, Göttingen.</p> <p>Nation.</p> <p>Nation (English).</p> <p>Neue Rundschau.</p> <p>New Republic.</p> <p>New Statesman.</p> <p>New York Times Index.</p> <p>Nineteenth Century.</p> <p>North American Review.</p> <p>Notes and Queries.</p> <p>Nuova Antologia.</p> <p>Outlook.</p> <p>*Pennsylvania Library Notes.</p> <p>Preussische Jahrbücher.</p> <p>Public Affairs Information Service.</p> <p>Bulletin.</p> <p>Publishers' Weekly.</p> <p>Punch.</p> <p>Quarterly Review.</p> <p>Reader's Guide to Periodical Literature.</p> <p>Review of Reviews.</p> <p>Revue Critique d'Histoire et de Littérature.</p> <p>Revue de Paris.</p> <p>Revue des Deux Mondes.</p> <p>Revue Politique et Littéraire: Revue Bleue.</p> <p>Saturday Review.</p> <p>Scribner's Magazine.</p> <p>Sewanee Review.</p> <p>Sitzungsberichte der Königlichen Bayerischen Akademie der Wissenschaften.</p> <p>Sitzungsberichte der Königlichen Preussischen Akademie der Wissenschaften zu Berlin.</p> <p>Spectator.</p> <p>Der Türmer.</p> <p>*Tipyn o' Bob.</p> <p>*University of California, Publications.</p> <p>*University of Colorado, Studies.</p> <p>*University of Missouri, Studies.</p> <p>*University of Nebraska, Studies.</p> <p>*University of Nevada, Studies.</p> <p>University of Texas, Studies.</p> <p>*University of Washington, Studies.</p> <p>Die Woche.</p> <p>World's Work.</p> |
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*Newspapers.*

\*Bryn Mawr News.  
New York Evening Post.  
New York Times.

\*Boston Transcript.  
Philadelphia Public Ledger.  
London Times.

*Art and Archæology.*

American Journal of Archæology.  
Art and Archæology.  
Art in America.  
British School at Athens, Annual.  
\*Bulletin of the Metropolitan Museum of Art, New York.  
Burlington Magazine.  
Denkmäler der Malerei des Altertums.  
Ephemeris Archaeologica.  
Jahrbuch des Kaiserlich deutschen archäologischen Instituts.  
Jahreshefte des österreichischen archäologischen Instituts in Wien.  
Journal of Hellenic Studies.

Mittheilungen und Nachrichten des Deutschen Palästina Vereins.  
Mittheilungen des Kaiserlich deutschen archäologischen Instituts, Athenische Abteilung.  
Mittheilungen des Kaiserlich deutschen archäologischen Instituts, Römische Abteilung.  
\*Museum of Fine Arts Bulletin, Boston.  
Notizie degli Scavi di Antichità.  
Revue Archéologique.  
Zeitschrift des Deutschen Palästina Vereins.

*Economics and Politics.*

\*Advocate of Peace.  
All Opinions of the U. S. Supreme Court.  
\*American Association for International Conciliation, Publications.  
American City.  
American Economic Review.  
\*American Economist.  
American Federationist.  
American Industries.  
American Journal of International Law.  
American Journal of Sociology.  
American Labor Legislation Review.  
American Political Science Review.  
\*The Americas.  
Annalist.  
Annals of the American Academy of Political and Social Science.  
Bibliographie der Sozialwissenschaften.  
\*Blätter für zwischenstaatliche Organisation.  
\*Bulletin of the New York State Department of Labor.  
\*Bulletin of the University of Wisconsin, Economics and Political Science Series.  
Charity Organization Review.  
Child Labor Bulletin.  
City Plan.  
Columbia Law Review.  
Columbia Studies in History, Economics and Public Law.  
Cooperative Consumer.  
Economic Journal.  
Great Britain, Quarterly List of Official Publications.  
Handbuch der öffentlichen Rechte.

Harvard Law Review.  
\*Institution Quarterly.  
International Socialist Review.  
Jahrbücher für Nationalökonomie und Statistik.  
Johns Hopkins University Studies in Historical and Political Science.  
Journal of Criminal Law.  
Journal of Heredity.  
Journal of Political Economy.  
Journal of the Royal Statistical Society.  
Labor Gazette.  
Municipal Research.  
National Municipal Review.  
Playground.  
Political Science Quarterly.  
Proceedings of the Academy of Political Science.  
Proceedings of the National Conference of Charities and Corrections.  
Publications of the American Economic Association.  
Publications of the American Statistical Association.  
Quarterly Journal of Economics.  
Revue Bibliographique.  
\*Single Tax Review.  
Social Hygiene.  
\*Southern Workman.  
Survey.  
\*U. S. Bureau of Labor Statistics, Bulletin.  
\*University of Illinois, Studies in Social Sciences.  
\*University of Missouri Studies, Social Science Series.



\*University of Pennsylvania Publications,  
Series in Political Economy and Public Law.

Yale Review.

Zeitschrift für Volkswirtschaft, Socialpolitik u. Verwaltung.

### *Education.*

†Berichte der Daleroze Schule.

Education.

Educational Review.

Educational Times.

Elementary School Journal.

English Journal.

Journal of Experimental Pedagogy.

\*Journal of the Association of Collegiate Alumni.

Lehrproben und Lehrgänge.

Manual Training Magazine.

National Education Association, Publications.

Pädagogische Studien.

Pedagogical Seminary.

†Revue Internationale de l'Enseignement Supérieur.

Revue Universitaire.

School and Society.

School Journal.

School Review.

School Science and Mathematics.

\*U. S. Bureau of Education, Bulletin.

\*University of California Publications, Education.

Zeitschrift für Pädagogische Psychologie.

Zeitschrift für Schulgesundheitspflege.

### *History.*

American Historical Association, Reports.  
American Historical Review.

\*Bulletin of the University of Wisconsin, History Series.

English Historical Review.

Historical Manuscripts Commission, Reports.

Historische Vierteljahrschrift.

Historische Zeitschrift.

\*Illinois State Historical Society Journal.  
Jahresberichte der Geschichtswissenschaft.  
Klio, Beiträge zur alten Geschichte.

New York Times Current History of the European War.

Pennsylvania Magazine of History.

Révolution Française.

Revue des Études Napoléoniennes.

\*Revue des Questions Historiques.

Revue Historique.

Royal Historical Society, Transactions.

Selden Society, Publications.

\*University of Pennsylvania Publications  
Series in History.

### *Philology and Literature, Classical.*

†Bulletin Bibliographique et Pédagogique du Musée Belge.

Classical Journal.

Classical Philology.

Classical Quarterly.

Classical Review.

Classical Weekly.

Commentationes Philologae Jenenses.

Dissertationes Philologicae Halenses.

Harvard Studies in Classical Philology.

Hermes.

Jahresbericht über die Fortschritte der Klassischen Altertumswissenschaft.

Journal of Roman Studies.

†Le Musée Belge, Revue de Philologie Classique.

Mnemosyne.

Philologische Untersuchungen.

Philologus.

Quellen und Forschungen zur lateinischen Philologie.

†Revue de Philologie.

†Revue des Études Grecques.

Rheinisches Museum für Philologie.

Rivista di Filologia.

Sokrates.

Studi Italiani di Filologia Classica

†Studi Storici per l'Antichità Classica.

Wiener Studien, Zeitschrift für klassische Philologie.

Wochenschrift für klassische Philologie.

*Philology and Literature, General and Comparative.*

American Journal of Philology.  
 Berliner philologische Wochenschrift.  
 †Eranos.  
 Indogermanische Forschungen.  
 Journal of English and Germanic Philology.  
 Journal of Philology.  
 Neue Jahrbücher für das klassische Altertum, Geschichte und deutsche Literatur.

Philological Society, London, Publications.  
 Transactions of the American Philological Association.  
 Zeitschrift für die österreichischen Gymnasien.  
 †Zeitschrift für vergleichende Sprachforschung.

*Philology and Literature, Modern.*

Acta Germanica.  
 Anglia.  
 Anglistische Forschungen.  
 †Annales Romantiques.  
 †Archiv für das Studium der neueren Sprachen.  
 Archivio Glottologico Italiano.  
 Arkiv for Nordisk Filologi.  
 Beiblatt zur Anglia: Mitteilungen über englische Sprache und Litteratur.  
 Beiträge zur Geschichte der deutschen Sprache und Literatur.  
 Bibliographical Society of London, Transactions.  
 Bonner Studien zur englischen Philologie.  
 British Society of Franciscan Studies.  
 Bulletin de la Société des Anciens Textes Français.  
 Bulletin hispanique.  
 Chaucer Society Publications (both series).  
 Deutsche Literaturzeitung.  
 Deutsche Texte des Mittelalters.  
 Dialect Notes.  
 Early English Text Society Publications (both series).  
 Englische Studien.  
 Euphorion.  
 Forschungen zur Neueren Literaturgeschichte.  
 German American Annals.  
 Germanisch-romanische Monatsschrift.  
 Giornale Dantesco.  
 Giornale Storico della Letteratura Italiana.  
 Goethe Jahrbuch.  
 Henry Bradshaw Society, Publications.  
 Jahrbuch der deutschen Shakespeare Gesellschaft.  
 Jahrbuch des Vereins für niederdeutsche Sprachforschung.  
 Jahresbericht über die Erscheinungen auf dem Gebiete der germanischen Philologie.  
 Kieler Studien zur englischen Philologie.

Korrespondenzblatt des Vereins für niederdeutsche Sprachforschung.  
 †Kritischer Jahresbericht über die Fortschritte der romanischen Philologie.  
 The Library  
 Literarische Echo.  
 Literarisches Centralblatt.  
 Literaturblatt für germanische und romanische Philologie.  
 †Le maître Phonétique.  
 Malone Society, Publications.  
 Materialien zur Kunde des älteren Englischen Dramas.  
 Modern Language Notes.  
 Modern Language Review.  
 Modern Philology.  
 Münchener Beiträge zur romanischen und englischen Philologie.  
 Palaestra.  
 Poet-lore.  
 Praeger deutsche Studien.  
 Publications of the Modern Language Association.  
 Quellen und Forschungen zur Sprach- und Culturgeschichte der germanischen Völker.  
 Rassegna Bibliografica.  
 Revue Celtique.  
 Revue d'Histoire Littéraire de la France.  
 †Revue Germanique.  
 Revue Hispanique.  
 Romania.  
 Romanic Review.  
 Romanische Forschungen.  
 Schriften der Goethe Gesellschaft.  
 Scottish Text Society, Publications.  
 Société des Anciens Textes Français, Publications.  
 Société des Textes Français Modernes, Publications.  
 Studien zur englischen Philologie.  
 University of North Carolina. Studies in Philology.

Wiener Beiträge zur englischen Philologie.  
Yale, Studies in English.  
Zeitschrift für den deutschen Unterricht.  
Zeitschrift für deutsche Philologie.  
Zeitschrift für deutsches Altertum und  
deutsche Litteratur.

Zeitschrift für deutsche Wortforschung.  
Zeitschrift für französische Sprache und  
Litteratur.  
†Zeitschrift für romanische Philologie.

### *Philology and Literature, Semitic.*

American Journal of Semitic Languages  
and Literatures.  
Babyloniaca.  
Jewish Quarterly Review.  
Proceedings of the Society of Biblical  
Archæology.

†Recueil de Travaux relatifs à la Philologie  
et à l'Archéologie égyptiennes et  
assyriennes.  
†Zeitschrift für ägyptische Sprache und  
Altertumskunde.  
Zeitschrift für Assyriologie.

### *Philosophy and Psychology.*

American Journal of Psychology.  
Année Psychologique.  
Archiv für die gesammte Psychologie.  
Archiv für Geschichte der Philosophie.  
Archiv für systematische Philosophie.  
Archives de Psychologie.  
Archives of Psychology.  
Berichte über den Kongress für experi-  
mentelle Psychologie.  
British Journal of Psychology.  
British Journal of Psychology: Mono-  
graph Supplements.  
†Bulletin de l'Institut Psychologique.  
Fortschritte der Psychologie.  
Hibbert Journal.  
International Journal of Ethics.  
†Journal de Psychologie.  
Journal für Psychologie und Neurologie.  
Journal of Abnormal Psychology.  
Journal of Animal Behaviour.  
Journal of Educational Psychology.  
Journal of Philosophy, Psychology and  
Scientific Methods.  
Journal of Religious Psychology.  
Logos.  
Mind.

Monist.  
Philosophical Magazine.  
Philosophical Review.  
Proceedings of the Aristotelian Society.  
Psychological Bulletin.  
Psychological Clinic.  
Psychological Review.  
Psychological Review; Monograph Sup-  
plements.  
Psychological Review; Psychological In-  
dex.  
Psychologische Arbeiten.  
Psychologische Studien.  
†Revue de Métaphysique.  
†Revue de Psychothérapie.  
Revue Philosophique.  
\*University of Toronto Studies, Psychology  
Series.  
Vierteljahrsschrift für wissenschaftliche  
Philosophie u. Soziologie.  
Zeitschrift für angewandte Psychologie.  
Zeitschrift für Psychologie und Physio-  
logie der Sinnesorgane: 1. Abt., Zeit-  
schrift für Psychologie. 2. Abt. Zeit-  
schrift für Sinnesphysiologie.

### *Religion.*

\*Alaskan Churchman.  
American Friend.  
American Journal of Theology.  
Biblical World.  
\*Deaconess Advocate.  
Expositor.  
Expository Times.  
Harvard Theological Review.  
†Herald of Gospel Liberty.  
†Indian's Friend.  
†Intercollegian.  
†Journal of Biblical Literature.

Journal of Theological Studies.  
Proceedings of the Society of Biblical  
Archæology.  
\*Publications of the American Jewish  
Historical Society.  
Religious Education.  
Revue Biblique.  
\*Spirit of Missions.  
\*Student World.  
\*Woman's Missionary Friend.  
\*World Outlook.

\* Presented by the Publishers.

† Suspended publication.

‡ In Christian Association Library.

*Science, Biology.*

American Journal of Anatomy.  
 American Journal of Physiology.  
 American Naturalist.  
 Anatomischer Anzeiger.  
 Archiv für Anatomie und Physiologie.  
 Archiv für die gesammte Physiologie.  
 Archiv für Entwicklungsmechanik der Organismen.  
 Archiv für mikroskopische Anatomie.  
 Bibliographia Physiologica.  
 Biologisches Centralblatt.  
 Biometrika.  
 Botanisches Centralblatt.  
 Centralblatt für Physiologie.  
 Eugenics Laboratory Memoirs.  
 \*Illinois Biological Monographs.  
 Jahrbücher für wissenschaftliche Botanik.  
 †Journal de Physiologie.  
 Journal of Biological Chemistry.  
 Journal of Experimental Medicine.  
 Journal of Experimental Zoology.  
 Journal of Genetics.  
 Journal of Morphology.

Journal of Physiology.  
 Journal of the Royal Microscopical Society.  
 \*Midland Naturalist.  
 Mittheilungen aus der Zoologischen Station zu Neapel.  
 Quarterly Journal of Microscopical Science.  
 \*University of California Publications, Physiology.  
 \*University of California Publications, Zoology.  
 \*University of Pennsylvania, Contributions from the Botanical Laboratories.  
 \*University of Pennsylvania, Contributions from the Zoological Laboratories.  
 \*University of Toronto Studies, Biological Series.  
 University of Toronto Studies, Physiological Series.  
 Zeitschrift für wissenschaftliche Zoologie.  
 Zoologischer Anzeiger.

*Science, General.*

American Journal of Science.  
 Atti della Reale Accademia della Scienze di Torino.  
 \*British Association for the Advancement of Science, Reports.  
 \*Bulletin of the University of Wisconsin, Science Series.  
 Comptes Rendus des Séances de l'Académie des Sciences.  
 Elisha Mitchell Scientific Society Journal.  
 International Catalogue of Scientific Literature.  
 Kansas University, Science Bulletin.  
 Nature.  
 \*New York State Museum Bulletin.

Philosophical Transactions of the Royal Society of London.  
 Proceedings of the American Philosophical Society.  
 Proceedings of the Royal Society of London.  
 Public Health Nurse Quarterly.  
 Science.  
 Scientific American and Supplement.  
 Scientific Monthly.  
 \*Technology Review.  
 \*U. S. National Museum, Publications.  
 \*University of Missouri Studies, Science Series.

*Science, Geology and Geography.*

Centralblatt für Mineralogie.  
 Economic Geology.  
 Geographical Journal.  
 Geological Magazine.  
 Geologisches Centralblatt.  
 \*Georgia Geological Survey Bulletin.  
 \*Illinois Geological Survey Bulletin.  
 Journal of Geography.  
 Journal of Geology.  
 Meteorologische Zeitschrift.  
 Mineralogical Magazine.  
 Mineralogische und petrographische Mittheilungen.

National Geographic Magazine.  
 Neues Jahrbuch für Mineralogie, Geologie und Paläontologie.  
 Philadelphia Geographical Society Bulletin.  
 Quarterly Journal of the Geological Society.  
 Resources of Tennessee.  
 \*U. S. Monthly Weather Review.  
 \*University of Toronto Studies, Geological Series.

\* Presented by the Publishers.

† Suspended publication.



*Mathematics, Chemistry, and Physics.*

- |  |  |
|--|--|
| Acta Mathematica.  | Journal de Chimie physique.                        |
| American Journal of Mathematics.                               | Journal de Mathématiques.                          |
| Annalen der Chemie.  | †Journal de Physique.                              |
| Annalen der Physik.  | Journal für die reine und angewandte Mathematik.   |
| Annales de Chimie.   | Journal für praktische Chemie.                     |
| Annales de Physique.   | Journal of the London Chemical Society.            |
| Annales Scientifiques de l'Ecole Normale Supérieure.           | Journal of Physical Chemistry.                     |
| Annali di Matematica.  | Kolloidzeitschrift.                                |
| Astrophysical Journal.   | Mathematische Annalen.                             |
| Beiblätter zu den Annalen der Physik.                          | Messenger of Mathematics.                          |
| Berichte der deutschen chemischen Gesellschaft.                | Monatshefte für Chemie.                            |
| Bibliotheca Mathematica.                                       | Physical Review.                                   |
| Bollettino di Bibliografia e Storia delle Scienze Matematiche. | Physikalische Zeitschrift.                         |
| Bulletin de la Société Chimique de France.                     | Proceedings of the London Mathematical Society.    |
| Bulletin de la Société Mathématique.                           | Quarterly Journal of Mathematics.                  |
| Bulletin des Sciences Mathématiques.                           | Rendiconti del Circolo Matematico di Palermo.      |
| Bulletin of the American Mathematical Society.                 | Science Abstracts.                                 |
| Cambridge Tracts in Mathematics.                               | Transactions of the American Mathematical Society. |
| Chemisches Zentralblatt.                                       | *U. S. Bureau of Standards Bulletin.               |
| Giornale di Matematiche.                                       | Zeitschrift für anorganische Chemie.               |
| Jahrbuch über die Fortschritte der Mathematik.                 | Zeitschrift für Elektrochemie.                     |
| Jahresbericht der deutschen Mathematiker Vereinigung.          | Zeitschrift für Mathematik und Physik.             |
|  | Zeitschrift für physikalische Chemie.              |

The library is open daily from eight A. M. to ten P. M. Books may be taken out by the students unless specially reserved for library reference use.

There are in Philadelphia the following important libraries which are available for students:

The *Library Company of Philadelphia*, which contains about 245,000 volumes, divided between the Locust Street Building and the Ridgway Branch. Its valuable collection of pamphlets is included in the number of volumes as given above. The Library is open from nine A. M. to six P. M., and is open to students for consultation freely during these hours. To take books from the building a deposit must be made or subscriptions will be received as follows: Twelve dollars for one year, six dollars for six months, four dollars for three months.

The *Mercantile Library*, which contains about 210,869 volumes and 22,911 pamphlets. Private subscription, \$5.00 a year for two separate works at a time.

\* Presented by the Publishers.

† Suspended publication.

The *Library of the Academy of Natural Sciences*, which contains about 80,700 volumes. The Council of the Academy has generously conceded the use of its library and of its museum to the students of Bryn Mawr College.

The *Library of the University of Pennsylvania*, which contains about 413,500 volumes and 50,000 pamphlets. The custodians of this library have always shown great courtesy in placing rare volumes at the disposal of the college.

The *Free Library of Philadelphia*, which contains about 565,550 volumes and 229,607 pamphlets, and is at all times open to the students for consultation.

The *American Philosophical Society Library*, which contains about 65,550 volumes, admission by card.

The *Historical Society of Pennsylvania Library*, which contains over 139,000 volumes, and 295,000 pamphlets, is for reference only. Every courtesy is extended to members of the college.

### Examination for Matriculation.

The examination for matriculation must be taken by all who wish to pursue their studies in the undergraduate department of the college, either as candidates for a degree or as students pursuing special courses, with the exception of such applicants for admission as present a certificate of honourable dismissal from some college or university of acknowledged standing.\*

*Examination for Matriculation.*

The examination for matriculation, including the Preliminary Examination, is open to those also who wish to take it as a test of proficiency in elementary studies, but have no intention of entering the college. Certificates are given to those who are successful in passing the examination.†‡

Blank forms of application for admission may be obtained from the Secretary of the College.

Examinations are held annually in the spring, autumn, and

\* The examinations of the College Entrance Examination Board which are designated by Bryn Mawr College as equivalent to the matriculation examination of the college will be accepted, subject to certain conditions. For details see pages 169-170.

† Printed sets of matriculation papers may be obtained for thirty cents from the Secretary of the College.

‡ For the four competitive entrance scholarships awarded annually see pages 189-190.

winter at Bryn Mawr College, and in the spring of the year may be held at other places; they are always held in the spring in Baltimore, Boston, Chicago, New York, Pittsburgh, Portland (Oregon), St. Louis, Richmond, and London (England). Candidates taking examinations at the above mentioned regular examination centres are charged a fee of five dollars for the whole or any part of the examination.

Examinations may also be held by request at other places, but in this case the candidates must defray the whole expense of the examination, the minimum fee being five dollars. In the past ten years examinations have been held by request at the following places:

California: Berkeley, Bonita, Los Angeles, Pasadena, Piedmont, San Francisco, Santa Barbara; Colorado: Denver; Connecticut: Greenwich, Washington, Waterbury; Georgia: Athens, Savannah; Indiana: Fort Wayne, Indianapolis, Terre Haute; Iowa: Davenport, Dubuque; Kentucky: Louisville; Maine: Portland; Maryland: Catonsville, Cumberland; Massachusetts: Cambridge, Fall River; Michigan: Bay City, Detroit, Houghton; Minnesota: Minneapolis; Missouri: St. Louis; Montana: Helena; Nebraska: Omaha; New Jersey: Princeton, Trenton; New York: Binghamton, Buffalo, New Rochelle, Rochester, Rye, Saratoga Springs, Utica; North Carolina: Biltmore; Ohio: Cincinnati, Cleveland, Columbus; Pennsylvania: Bellefonte, Carlisle, Harrisburg, Johnstown, Lancaster, Lititz, Oxford, Pittsburgh, Scranton, Wilkes Barre, York; Rhode Island: Providence; South Carolina: Charleston; Tennessee: Memphis; Texas: Dallas; Virginia: Richmond; Washington: Seattle; Wisconsin: Fond du Lac, Madison, Milwaukee; and Washington, District of Columbia; France: Paris; Germany: Berlin, Munich; Asia Minor: Tarsus.

Candidates who intend to present themselves for examination at Bryn Mawr College must apply to the Secretary of the College on or before May fifteenth and the application should be made on a form to be obtained from the Secretary of the College, and must be accompanied by the fee of five dollars charged for each division of the examination. Candidates who apply after this date will be charged an additional fee of five dollars. Candidates intending to take examinations elsewhere than at Bryn Mawr College must apply to the Secretary of the College on or before April fifteenth. Candidates who fail to do this will be charged a fee of five dollars in addition to the fee charged for the examination.

*Tabular Statement.*—In order to obtain a certificate of admission to Bryn Mawr College the candidate must be examined in *all*\* the following subjects, counted as equivalent to twenty points, and must pass not fewer than fifteen points. No candidate will be admitted to Bryn Mawr College if conditioned in more than five points.

| <i>Subjects.</i>   | <i>Points.</i> |
|--|----------------|
| Algebra.....   | 2              |
| Plane Geometry.....  | 2              |
| Latin Grammar and Prose Composition.....   | 1              |
| Latin Prose Authors.....   | 2              |
| Latin Poetry.....  | 1              |
| English Grammar.....   | 1              |
| English Composition.....   | 3              |
| History.....   | 1              |
| Science.....   | 1              |
| Greek Grammar and Prose Composition.....   | 1              |
| Greek Prose Authors.....   | 1              |
| Greek Poetry.....  | 1              |
| German Grammar and Translation.....  | 3              |
| French Grammar and Translation.....  | 3              |
| <div style="display: flex; align-items: center; justify-content: center;"> <div style="font-size: 3em; margin-right: 10px;">}</div> <div>Two of these three languages..</div> </div> |                |
|  | 6              |
|  | —              |
|  | 20             |

The number of points allotted to each subject indicates approximately the time which should be devoted to preparation for that subject. Thus if, for example, the candidate studies five subjects in each year during the last four years of preparation for college, then Mathematics, Latin, and English should be studied for all four years since each counts as four points of the examination; History and Science should each be studied for one year since each counts as one point; and the two languages (Greek and German, or Greek and French, or German and French) should be studied for three years since each counts as three points, or three-twentieths, of the examination.

With the exception of a Preliminary Examination which may be taken under special conditions stated below, the examination may not be taken in more than two divisions. In each division the candidate may offer any subjects she pleases, pro-

\* Candidates are expected to show by their papers that all the subjects required for matriculation have been studied for a reasonable length of time. Total failure in the second division of the examination in any subject, when such failure is of a character to indicate that the subject has been presented as a mere form, prevents the candidate from receiving any certificate, unless she can produce satisfactory evidence that the subject in question has been faithfully studied for a reasonable length of time.



vided that she offer in the first division a sufficient number of points (at least four) to secure a certificate.

If more than one calendar year and the summer vacation elapse between the two divisions of the examination for admission the first division is cancelled and must be repeated. In case a sufficient number of points to secure admission be not passed in two divisions of the examination the points taken in one division must be cancelled, and all the points offered in the cancelled division (except those points which have been offered in the division which is to be counted) must be offered again, together with a sufficient number of the points in which the candidate has been conditioned to ensure her passing in the required number of points.

### **Removal of Con- ditions.**

Candidates that have passed the fifteen points necessary for admission may remove conditions by passing the corresponding examinations before or after entering the college. All entrance conditions must be passed off within the first semester after the student enters the college, under penalty of exclusion from full college work during the second semester with the exception that students conditioned in only one point may continue their full college work but are required to be tutored in the subject in which they are conditioned. All students who have not passed off all their entrance conditions at the end of their second semester will be excluded from the college for one year with the exception of those conditioned in only one point who are permitted to pass it off in September. A fee of three dollars is charged for each condition examination except conditions in punctuation, for which the fee is one dollar. Students with entrance conditions in Greek, Latin, English, German, French, or Mathematics are not permitted to attend the college courses in these subjects until the conditions have been passed off. Conditions in history and science do not exclude students from college classes in these subjects.

### THE PRELIMINARY EXAMINATION.

In and after the spring examinations, 1916, candidates who wish to take some of their examinations two years before entering the college may avail themselves of a new Preliminary Examination. The subjects that may be offered are as follows:

|  | <i>Points</i> |
|--|---------------|
| Either Algebra or Plane Geometry, counting as..... | 2             |
| English Grammar.....                               | 1             |
| French.....  | 3             |
| German.....  | 3             |
| Latin Prose Authors*.....                          | 2             |
| Ancient History†.....                              | 1             |

There is no restriction as to the number of points in the above subjects that may be offered in this Preliminary Examination; any points passed will be credited in the first division of the examinations for matriculation, and the candidate will receive a certificate for all points so passed. A candidate's application to the Secretary of the College for the

\* This subject is included in the hope that the schools will be able to readjust their work so as to offer it in this examination.

† In this subject in and after 1917 a new type of paper will be set, and a model examination paper will be sent out with the copies of the 1916 examination papers.

Preliminary Examination must be accompanied by a statement from the head of the school, the private tutor, or the candidate herself, that she is presenting herself for the Preliminary Examination two years before the usual time of completing her preparation for college.

Candidates who decide to complete their examinations for matriculation in less than two years may count the Preliminary Examination as the first division, provided four points have been passed; otherwise the Preliminary Examination must be cancelled and the usual matriculation examination taken in not more than two divisions under the usual regulations as to time. Candidates are not required to count the Preliminary Examination as any part of the matriculation examinations.

The Preliminary Examination may be taken only in the Bryn Mawr College examinations either in the spring or autumn, but no candidate may present herself more than once. The Preliminary Examination may not be taken in the College Entrance Board Examinations. Candidates, however, who have taken the Preliminary Examination may complete their matriculation examinations by taking either the examinations set by Bryn Mawr College or those set by the College Entrance Examination Board.

The Preliminary Examination may be taken as a test of proficiency by candidates who are not preparing for college.

#### COLLEGE ENTRANCE EXAMINATION BOARD.

The examinations of the College Entrance Examination Board which are designated below as equivalent to the matriculation examinations of the college will be accepted for admission to the college, subject to the same conditions which govern the Bryn Mawr College examinations.

The passing mark for both sets of examinations is the same, sixty per cent.

With the exception of the Preliminary Examination which may be taken under the special conditions stated above, the matriculation examination may not be taken in more than two divisions. The Preliminary Examination must be taken in the Bryn Mawr College examination, but candidates may divide the divisions as they please between the examination of Bryn Mawr College and of the College Entrance Examination Board; both divisions may be taken in the Bryn Mawr College examination, or in the examination of the College Entrance Examination Board; or one division may be taken in the Bryn Mawr College examination, and the other in the examination of the College Entrance Examination Board.

Not more than one calendar year and the summer vacation may elapse between the two divisions of the examination for admission. There is no other restriction as to time; for example, candidates may present themselves for the first division of their examination in the spring examination of Bryn Mawr College, held during the last week in May and the first week in June, and for the second division at the examination held by the College Entrance Examination Board in the third week of June of the same year; or if they fail in the spring examination of Bryn Mawr College they may try the same subjects again in the examination of the College Entrance Examination Board three weeks later.

In case a sufficient number of points to secure admission is not passed in two divisions of the examination the points taken in one division must be cancelled, and all the points offered in the cancelled division (except those points which have been also offered in the division which is to be counted), must be offered again, together with a sufficient number of the points in which the candidate has been conditioned to ensure her passing in the required number of points.

Candidates who have passed the fifteen points necessary for admission may remove conditions by passing the corresponding examinations in the Bryn Mawr College or the College Entrance Examination Board examination.

Candidates taking the College Entrance Examination Board's examination will not be considered in the awarding of the four Bryn Mawr competitive entrance examination scholarships, unless the final division of the examination be taken in the spring Bryn Mawr College examination. Candidates are not eligible when the finals are taken in the autumn examination.

TABLE OF EQUIVALENT EXAMINATIONS.

| COLLEGE ENTRANCE EXAMINATION<br>BOARD EXAMINATION.                      |   | BRYS MAWR COLLEGE<br>EXAMINATION.                  |                 |
|---|---|--|-----------------|
| <i>Subjects.</i>  |   | <i>Subjects.</i>                                   | <i>Percent.</i> |
| Mathematics: Algebra, A 1, and A 2,<br>taken together.....              | = | Algebra.....                                       | 2               |
| Mathematics: C.....   | = | Plane Geometry.....                                | 2               |
| Latin: I and G.....   | = | Latin Grammar and Prose Composi-<br>tion.....      | 1               |
| Latin: P.....   | = | Latin Prose Authors.....                           | 2               |
| Latin: Q.....   | = | Latin Poetry.....                                  | 1               |
| English: I.....   | = | English Grammar.....                               | 1               |
| English: 2.....   | = | English Composition.....                           | 5               |
| History: A or C* or D*.....   | = | Ancient, or English,* or American*<br>History..... | 1               |
| Physics, or Chemistry,* or Botany,* or<br>Geography,* or Biology,*..... | = | Science.....                                       | 1               |
| Greek: F.....   | = | Greek Grammar and Composition.....                 | 1               |
| Greek: G.....   | = | Greek Prose Authors.....                           | 1               |
| Greek: CH.....  | = | Greek Poetry.....                                  | 1               |
| French: A and B.....  | = | French Grammar and Translation.....                | 3               |
| German: A and B.....  | = | German Grammar and Translation... 3                |                 |

*Examinations for Advanced Standing.*

|                     |   |                 |
|---------------------|---|-----------------|
| Mathematics: D..... | = | Solid Geometry. |
| Mathematics: E..... | = | Trigonometry.   |
| No Equivalent.....  | = | Minor Latin.    |

***Advanced  
Standing.***

Candidates desiring to enter with advanced standing *may* offer for examination before or at entrance the remaining language (either French, or German, or Greek,† whichever

\* In and after spring 1919 this subject will not be accepted.

† Students that have not passed the matriculation examination in Greek may substitute for it the matriculation course in Greek or the minor course in Latin. The minor course in Latin may also be offered for examination by candidates for matriculation that desire to enter the college with advanced standing, and, at their discretion, by matriculated students without attendance on the college classes, provided it is offered before the close of the matriculation examinations at the beginning of the student's junior year. The minor course is considered for this purpose as comprising two sections. No substitutions are allowed for any part of the following requirements, except in the case of students entering with advanced standing from other colleges:

A. Cicero, *Selected Letters*, 1, 2, 3, 5, 6, 7, 8, 10, 11, 16, 17, 19, 20, 21, 22, 23, 24, 25, 30, 31, 33, 37, 38, 39, 42, 44, 45, 47, 49, 52, 75, 76, 91, 92 (*Letters of Cicero*, edited by F. F. Abbott, Boston, Ginn and Company), Terence, *Phormio*, *Adelphoe* and *Andria* or by special request registered three months before the examination, Livy, *Book xxi*, Latin Prose Composition, including a detailed knowledge of the more abstruse Latin constructions and some facility in turning simple English narrative into Latin. The examination in Livy and Composition is given only when the candidate furnishes proof that she was unable to secure preparation in Terence.

B. Horace, *Odes*, except i. 25, 27, 33, 36; ii. 5; iii. 6, 15, 20; iv. 1, 10, 13; *Epodes* except 3, 5, 8, 11, 12, 15, 17; *Carmen Saeculare*; *Satires* i. 1, 5, 6, 9; ii. 6; *Epistles* i. 1, 5, 6, 7, 8, 10, 14, 20.

There are two examinations, one in Section A and one in Section B, each three hours in length. These examinations may be taken in different years, and in the order preferred by the candidate; or one section may be studied in the corresponding college class, and the other offered for examination without attending the class. Examinations in Minor Latin are held only at the time of the regular matriculation examinations at the beginning and end of the college year, and in February.



was not included by the candidate in the above twenty sections), and if this examination is not passed before entrance, the candidate must pass the matriculation examination in it before receiving the degree of Bachelor of Arts.\*

Candidates desiring to enter with advanced standing *may* offer for examination before entrance trigonometry† and solid geometry. These subjects are not necessarily included in the requirements for the degree of Bachelor of Arts, but students that have passed these examinations are credited with the equivalent number of hours of free elective work, each examination counting for this purpose as equivalent to two hours a week of free electives for one semester. Such advanced standing examinations will enable the student to lighten her work in college or to enlarge her choice of elective studies, but will not enable her to shorten the time of obtaining the bachelor's degree which represents in every case four years of study in collegiate classes.

### *Definition of Matriculation Subjects.*

**I. Mathematics.**—Algebra. (Counting as two points.) Plane *Mathematics*. Geometry. (Counting as two points.)

The examination in Algebra comprises Elementary Operations, Quadratic Equations, Problems, Ratio, Proportion, Variation, Arithmetical and Geometrical Progressions, the Binomial Theorem for Positive Integral Exponents.

While there is no formal examination in Arithmetic, an adequate knowledge of the subject is required throughout the mathematical examinations; in *all* the papers there are some numerical problems, and the correct solution of a fair number of these is regarded as essential. So many good text books are available in both Algebra and Plane Geometry that no special books are recommended. The following are mentioned simply as an indication of the preparation required for these examinations:

C. Smith's *Elementary Algebra* (American edition, revised by Irving Stringham); Phillips and Fisher's *Elements of Geometry* (abridged edition); Wentworth's *Geometry*.

**II. Latin.**—Grammar and Composition. (Counting as one point.) *Latin*. Translation at sight of simple passages in Latin prose. (Counting as two points.) Translation at sight of simple passages of Latin poetry. (Counting as one point.) Due allowance is made for unusual words, and there are questions testing the candidate's practical knowledge of grammar and prosody.

The Latin read in preparation may be selected from Cæsar (*Gallic War* and *Civil War*), Nepos (*Lives*), Cicero (*Orations*, *Letters*, and *De senectute*), Sallust (*Catiline* and *Jugurtha*), Vergil (*Aeneid*, *Bucolics*, and *Georgics*), and Ovid (*Metamorphoses*, *Fasti*, and *Tristia*). The amount to be read should not be less than that contained in Cæsar, *Gallic War*, I–IV, Cicero, *Manilian Law*, *Archias*, and four *Orations against Catiline*, and Vergil, *Aeneid*, I–VI. The vocabulary, syntax, and thought of the sight passages will be adapted as closely as possible to the knowledge gained by a careful reading of the required amount of Latin. The paper in Grammar and Composition demands a knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in schools.

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\* If this examination is not passed before the beginning of the student's third year in the college, she must attend the college class in the subject, or in Minor Latin, the substitute for Greek, in her third year.

† For examinations in the College Entrance Examination Board equivalent to those which may be offered for advanced standing, see page 170.



*History.* **III. History.**—The outlines of Ancient History; or the outlines of the History of England,\* or the outlines of the History of the United States.\* (Counting as one point.)

Botsford's *History of the Ancient World*, West's *Ancient History*, Goodspeed's *History of the Ancient World* (revised edition), Botsford's *Source Book of Ancient History*, and Zimmern's *Greek Commonwealth* are useful in preparation for the examination in Ancient History. Andrews' *History of England*, Cheyney's *A Short History of England*, and MacLaughlin's *History of the American Nation*, Adams and Trent's *History of the United States* or Andrews' *History of the United States*, will serve to indicate the preparation required.

*English.* **English.**—English Grammar. (Counting as one point.) English Composition. (Counting as three points.) The examinations in grammar and composition may be divided and may be taken in either division of the entrance examination. The examination in English Grammar consists of the correction of passages of incorrect English. Questions will be asked to test the candidate's knowledge of the grammatical principles involved in the corrections, in especial concerning the details of sentence structure. The examination in English Composition consists of a critical composition of 350 words, and in addition, of one or two paragraphs in which the candidate is asked to give in a descriptive or narrative form the substance of important parts of the required reading.

In 1916 and the winter of 1917 candidates must be familiar with the following books agreed on by the Associations of the Colleges and Schools of the New England States, the Middle States and Maryland, the North Central States, and the Southern States: Shakespeare's *A Midsummer Night's Dream*, *The Merchant of Venice*, *Julius Caesar*, and *Macbeth*; Milton's *L'Allegro*, *Il Penseroso*, and *Comus*; the *Sir Roger de Coverley Papers* in the *Spectator*; Gray's *Elegy in a Country Churchyard*; Burke's *Speech on Conciliation with America*; Palgrave's *Golden Treasury* (first series), Book IV, with special attention to Wordsworth, Keats, and Shelley; Coleridge's *Ancient Mariner*; Scott's *Ivanhoe*; Thackeray's *Henry Esmond*; Hawthorne's *House of the Seven Gables*; Macaulay's *Life of Johnson*; Tennyson's *Passing of Arthur*; Arnold's *Sohrab and Rustum*; Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Hervé Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*; Stevenson's *Inland Voyage* and *Travels with a Donkey*.

In 1917 spring and autumn examinations, 1918, and the winter of 1919 candidates must be familiar with the following books agreed on by the Associations of the Colleges and Schools of the New England States, the Middle States and Maryland, the North Central States, and the Southern States: Shakespeare's *As You Like It*, *The Merchant of Venice*, *Julius Caesar*, and *Macbeth*; Milton's *L'Allegro*, *Il Penseroso*, and *Comus*; the *Sir Roger de Coverley Papers* in the *Spectator*; Gray's *Elegy in a Country Churchyard*; Burke's *Speech on Conciliation with America*; Palgrave's *Golden Treasury* (first series), Book IV, with special attention to Wordsworth, Keats, and Shelley; Coleridge's *Ancient Mariner*; Scott's *Ivanhoe*; Thackeray's *Henry Esmond*; Hawthorne's *House of the Seven Gables*; Macaulay's *Essay on Milton*; Tennyson's *Passing of Arthur*; Arnold's *Sohrab and Rustum*; Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Hervé Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*; Stevenson's *Inland Voyage* and *Travels with a Donkey*.

In preparing for this examination special attention should be given to the structure of the whole composition, and the analysis of model essays, for example Arnold's *Essay*

\* In and after the spring examinations, 1919, these subjects will no longer be included in the matriculation examination.

on *Gray*, is recommended. Robins and Perkins's *Introduction to the Study of Rhetoric*, Hill's *Foundations of Rhetoric*, Abbott's *How to Write Clearly*, and Bigelow's *Handbook of Punctuation*, will serve to indicate the preparation required for paragraph structure, sentence structure, and punctuation.

**Science.**—The elements of one of the following sciences:—Physics, or *Science*. Chemistry, \* or Botany, \* or Physiology, \* or Physical Geography. \* (Counting as one point.)

Mann and Twiss's *Physics*; or Millikan and Gale's *A First Course in Physics*; Remsen's *Introduction to the Study of Chemistry* (Briefer Course) or Alexander Smith's *Text-book of Elementary Chemistry*; Atkinson's *Elementary Botany* or Barnes's *Plant Life* or Bergen and Davis's *Principles of Botany* used in connection with Spalding's *Introduction to Botany* or Caldwell's *Plant Morphology*; Hough and Sedgwick's *Human Mechanism* with laboratory work recommended, Davis's *Elementary Physical Geography*, Gilbert and Brigham's *Introduction to Physical Geography*, Dryer's *Lessons in Physical Geography*, and Salisbury's *Physiography*, will serve to indicate the preparation required. Candidates are advised, whenever possible, to offer Physics, as this study forms the best basis for scientific work. It is recommended that candidates should have some knowledge of the metric system.

#### IV. Two of the following languages:

**Greek.**—Grammar and Composition. Very simple prose composition *Greek*. with words and construction taken from Xenophon's *Anabasis*. (Counting as one point.) Translation at sight of simple passages in Attic prose, such as Xenophon's *Anabasis* or *Memorabilia*. (Counting as one point.) Translation at sight of passages of average difficulty from Homer. (Counting as one point.) Due allowance is made for unusual words and there are questions testing the candidate's practical knowledge of grammar and prosody.

White's *First Greek Book* will serve to indicate the preparation required in prose composition.

**French.**—Grammar and Composition. (Counting as one point.) *French*. This is to test the candidate's knowledge of ordinary grammatical forms and ability to write simple French. Prose and Verse Translation (Counting as two points.) This is a test of the candidate's power to read at sight ordinary French prose and verse.

For the examination in reading no texts are assigned, the examination being intended to test the candidate's ability to read any ordinary French whatsoever. Candidates preparing for these examinations are advised to acquire as large a vocabulary as possible; they are further advised in their study of verbs to concentrate their attention on the regular verbs, the auxiliaries *être*, *avoir*, such important irregular verbs as *aller*, *devoir*, *dire*, *faire*, *mettre*, *prendre*, *pouvoir*, *vouloir*, *tenir*, *venir*, *voir*, *écrire*, *lire*, *croire*, *boire*, and the typical verbs *conduire*, *craindre*, *paraître*, *partir*, and to acquire a fair knowledge of the use of the various past tenses and of the rules of the subjunctive.

Teachers preparing students that wish to elect French in the college are advised to train their pupils to write French from dictation in order to enable them to understand lectures delivered in French.

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\* In and after the spring examinations, 1919, these subjects will no longer be included in the matriculation examination; all candidates will be required to offer physics.

*German.* **German.**—Grammar and Composition. (Counting as one point.) This is to test the candidate's knowledge of ordinary grammatical forms and ability to write simple German. Prose and Verse Translation. (Counting as two points.) This is a test of the candidate's power to read at sight ordinary German prose and verse.

For the examination in reading no texts are assigned, the examination being intended to test the candidate's ability to read any ordinary German. Candidates should endeavour to acquire as large a vocabulary as possible; they are also advised to study the German forms and constructions.

Candidates who intend to continue the study of German in the college should be prepared to understand lectures delivered in German.

### Requirements for Degrees.

*Studies  
Leading  
to the  
Degree of  
Bachelor  
of Arts.*

Every candidate for the degree of Bachelor of Arts must have passed examinations on work amounting to one hundred and twenty hours\* and must have obtained an examination grade above that of "passed," that is, the grade of merit,† (seventy per cent) or over, on half of these one hundred and twenty hours; she must also possess at the time of graduation a reading knowledge of French and German and some acquaintance with Latin. In the last year before graduation, oral examinations are held to test her ability to read French and German at sight. She must have been in attendance on college classes in Bryn Mawr College, or in some other college of high standing, for a period of four years;‡ she must have fulfilled the requirements of the department of athletics and gymnastics

\* The word hour here means one hour a week for one semester. In calculating the standing of students under this rule every course offered for examination, including the fourth language, trigonometry, and solid geometry when offered for advanced standing in the matriculation examination, must be included except as explained below. A grade once obtained in an examination may not be cancelled, the first one hundred and twenty hours of examinations offered qualifying, or disqualifying, for a degree. Grades received on examinations offered for work not taken in the college classes must be counted in these one hundred and twenty hours, except in the case of students who enter with advanced standing from other colleges, and give notice within the first two weeks after their entrance of a desire to offer for examination subjects already pursued. Such students will, in case they fail in these examinations, be granted the privilege of cancelling them so that they shall not count in estimating their standing under the merit law, provided they enter the corresponding courses as regular students without attempting to pass off the conditions incurred. A similar privilege will be granted to students who offer trigonometry or solid geometry or a fourth language in the matriculation examination *before* entering the college and also to students who offer proof within two weeks after entering the college that they have studied these subjects in school or college classes or under private tuition. These students are not required to enter the corresponding college classes provided they fail in the examination.

† Since this merit law was enacted no student who has not fulfilled the requirements as above stated has received a degree.

‡ Work in summer schools of colleges and universities may not be substituted for work of the regular college year.



If a student at the end of her junior year, or in February of her senior year, has received a grade *below* seventy per cent in as many as one-half of the hours that she has offered for examination of the one hundred and twenty required for the degree, she will not be allowed to graduate at the end of her senior year; but if she wishes to continue her studies at Bryn Mawr College, must plan to remain for an additional year or for a longer period. She will be on probation during this time and her work will be prescribed by a committee of the Faculty, the object being to enable her to improve the quality of her work so that she may not ultimately be disqualified by her grades from obtaining a degree.

No student who has received a grade below seventy per cent in as many as one-half of the hours that she has taken of the 120 hours required for her degree will be permitted to hold office in any of the organizations of the college, to take part in any entertainment requiring preparation, or to undertake any paid work.

The following course of study must be pursued by every candidate for the degree of Bachelor of Arts:

*Greek or French or German*,\* five hours a week for one year, when this subject has not been included in the examination for matriculation. Those students, however, who wish to omit Greek may substitute for the required course in Greek the minor course in Latin.† *Required Studies.*

*English*, five hours a week for two years.

*Philosophy and Psychology*, five hours a week for one year.

*Science*, five hours a week for one year.

*Science*, or *History*, or *Economics and Politics*, or *Philosophy*, or *Psychology*, or *Mathematics*, five hours a week for one year.

*Two Major Courses*, of five hours a week for two years each, constituting one of the following groups: any Language with any Language;‡ Latin or Greek with Ancient History; Ancient History with Classical Archæology; Modern History with Economics and Politics, or with German, or French, or History of Art; Philosophy or Psychology, or Philosophy and Psychology§ with Greek, or English, or Economics and Politics, or Mathematics, or Physics; Philosophy with Latin or Psychology; Psychology with Biology; Classical Archæology with Greek, or Latin; History of Art with French, or German, or Italian, or Spanish;‡

\* The College provides matriculation classes, five hours a week throughout one year, for those students who in the examination for matriculation may have omitted Greek, French, or German. Attendance on these classes is not obligatory before the beginning of the junior year, the student being free until then to make good her deficiencies by private study.

† A student choosing Latin as one of the languages of her group, and not wishing to study Greek, may substitute for the year of minor Latin five hours a week for one year of post-major Latin, or a year of French, or German, or Italian, or Spanish.

‡ For the purpose of forming a group, Italian and Spanish may count as one language; they may be combined so as to form a course of five hours a week for two years.

§ For the purpose of forming a group, philosophy and psychology may be combined so as to form a course of five hours a week for two years.



Mathematics with Greek, or Latin, or Physics, or Chemistry, or Geology, or Biology; any Science with any Science.

*Free Elective Courses.*

*Free Elective Courses*, amounting to ten hours a week for one year, to be chosen by the student. It should be noted that a single study may be taken as a free elective, without electing the group that includes it, and any courses open as free electives, may be chosen without taking the remainder of the minor course of which they may form a part.

*Tabular Statement.*

The studies required for a degree may for convenience be tabulated as follows:

*Required Courses (Five hours a week for One Year Each).*

| 1 and 2.                   | 3.                               | 4.   | 5.  | 6.*   |
|----------------------------|----------------------------------|--|---|---|
| English.<br>[Two Courses.] | Philosophy<br>and<br>Psychology. | Science:<br>Physics,<br>or<br>Chemistry,<br>or<br>Geology,<br>or<br>Biology. | Science,<br>or<br>History,†<br>or<br>Economics and<br>Politics,<br>or<br>Philosophy, or<br>Psychology, or<br>Mathematics. | Matriculation<br>French,<br>or<br>Matriculation<br>German,<br>or<br>Matriculation<br>Greek (or<br>Minor Latin). |

*Two Major Courses (Five hours a week for Two Years Each).*

Constituting any one of the following sixty-three groups:

| I—XX.   | XXI.                                 | XXII.                                | XXIII.   |
|---|--------------------------------------|--------------------------------------|--|
| Any Language<br>with<br>any Language‡<br>(Twenty Groups). | Ancient<br>History<br>with<br>Greek. | Ancient<br>History<br>with<br>Latin. | Ancient<br>History<br>with<br>Classical<br>Archæology. |

\* The College provides matriculation classes, five hours a week throughout one year, for those students who in the examination for matriculation may have omitted Greek, French, or German. Attendance on these classes is not obligatory before the beginning of the junior year, the student being free until then to make good her deficiencies by private study. Students not wishing to study Greek may substitute the college course in minor Latin or the advanced standing examination in minor Latin for the examination in matriculation Greek. Minor Latin may not be offered for examination without attending the college class after the close of the matriculation examinations at the beginning of the junior year.

† A student electing modern history as one of her group subjects and offering history in place of the second year of science must offer five hours of post-major work in this subject.

‡ For the purpose of forming a group, Italian and Spanish may count as one language; they may be combined so as to form a course of five hours a week for two years.

|   |   |   |  |
|---|---|---|--|
| XXIV.<br>Modern<br>History<br>with<br>Economics<br>and<br>Politics. | XXV.<br>Modern<br>History<br>with<br>German.                | XXVI.<br>Modern<br>History<br>with<br>French.                       | XXVII.<br>Modern<br>History<br>with<br>History<br>of Art.                |
| XXVIII.<br>Economics and<br>Politics with<br>Philosophy.            | XXIX.<br>Philosophy<br>with<br>Greek.                       | XXX.<br>Philosophy<br>with<br>Latin.                                | XXXI.<br>Philosophy<br>with<br>English.                                  |
| XXXII.<br>Philosophy.<br>with<br>Psychology.                        | XXXIII.<br>Philosophy<br>with<br>Mathematics.               | XXXIV.<br>Philosophy<br>with<br>Physics.                            | XXXV.<br>Philosophy and<br>Psychology<br>with Economics<br>and Politics. |
| XXXVI.<br>Philosophy and<br>Psychology<br>with<br>Greek.            | XXXVII.<br>Philosophy and<br>Psychology<br>with<br>English. | XXXVIII.<br>Philosophy and<br>Psychology<br>with<br>Mathematics.    | XXXIX.<br>Philosophy and<br>Psychology<br>with<br>Physics.               |
| XL.<br>Psychology with<br>Economics and<br>Politics.                | XLI.<br>Psychology<br>with<br>Greek.                        | XLII.<br>Psychology<br>with<br>English.                             | XLIII.<br>Psychology<br>with<br>Mathematics.                             |
| XLIV.<br>Psychology<br>with<br>Physics.                             | XLV.<br>Psychology<br>with<br>Biology.                      | XLVI.<br>Classical<br>Archæology<br>with Greek.                     | XLVII.<br>Classical<br>Archæology<br>with Latin.                         |
| XLVIII.<br>History<br>of Art<br>with<br>German.                     | XLIX.<br>History<br>of Art<br>with<br>French.               | L.<br>History<br>of Art<br>with<br>Italian.                         | LI.<br>History<br>of Art<br>with<br>Spanish.                             |
| LII.<br>Mathematics<br>with<br>Greek.                               | LIII.<br>Mathematics<br>with<br>Latin.                      | LIV.<br>Mathematics<br>with<br>Physics.                             | LV.<br>Mathematics<br>with<br>Chemistry.                                 |
| LVI.<br>Mathematics<br>with<br>Geology.                             | LVII.<br>Mathematics<br>with<br>Biology.                    | LVIII-LXIII.<br>Any Science<br>with<br>any Science<br>(Six Groups). |  |

*Free Elective Courses.*

Ten hours a week for one year in any subject, or subjects, the student may elect.

The following may serve as examples of some of the many combinations of studies that may be made by those candidates for a degree who wish to specialise as far as possible in particular departments: Matriculation French, Matriculation German, Matriculation Greek, and Minor Latin are bracketed as being subjects that may be included in the examination for matriculation. These bracketed courses may be offered for examination before the beginning of the junior year without attendance on the college classes, but this is not advised on account of their difficulty.

CLASSICS. *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Philosophy, or Minor Mathematics). *As a Group*, Greek and Latin. *As Free Electives*, Post-major Greek and Latin, or Classical Archæology, ten hours a week for one year.

MODERN LANGUAGES (other than English). *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Mathematics). *As a Group*, German and French, or German and Italian and Spanish, or French and Italian and Spanish. *As Free Electives*, Italian and Spanish, or Post-major French or German, ten hours a week for one year.

ENGLISH. *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Philosophy). *As a Group*, Greek and English, or Latin and English, or English and German, or English and French, or English and Italian and Spanish, or English and Spanish, or English and Philosophy. *As Free Electives*, Latin and German, ten hours a week for one year.

MATHEMATICS (with Greek). *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek], English, Philosophy, Physics, another Science, (or Post-major Mathematics, or Modern, or Ancient History, or Minor Psychology). *As a Group*, Mathematics and Greek. *As Free Electives*, Post-major Mathematics and Post-major Greek, ten hours a week for one year.

MATHEMATICS (with Physics). *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Chemistry, another Science (Geology, or Biology), or Post-major Mathematics. *As a Group*, Mathematics and Physics. *As Free Electives*, Post-major Mathematics and Post-major Physics, ten hours a week for one year.

MODERN HISTORY. *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, any Science, another Science, or Post-major History, or Economics and Politics, or Minor Philosophy, or Mathematics). *As a Group*, Modern History and Economics and Politics. *As Free Electives*, Post-major Modern History and Post-major Economics and Politics, ten hours a week for one year.

PHILOSOPHY (with Greek). *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Mathematics). *As a Group*, Greek and Philosophy. *As Free Electives*, Post-major Greek and Minor Psychology ten hours a week for one year.

PHILOSOPHY (with English). *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics). *As a Group*, English and Philosophy. *As Free Electives*, Psychology and English, ten hours a week for one year.

MODERN EUROPEAN HISTORY (with French). *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Psychology, or Minor Economics and Politics, or Minor Philosophy, or Minor Mathematics). *As a Group*, Modern European History and French. *As Free Electives*, Post-major French and Post-major Modern History.

PHILOSOPHY or PSYCHOLOGY (with Economics and Politics, or with Mathematics, or with Physics). *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History). *As a Group*, Philosophy or Psychology with Economics and Politics, or with Mathematics, or with Physics. *As Free Electives*, Post-major Economics, or Mathematics, or Physics, ten hours a week for one year.

CLASSICAL ARCHÆOLOGY (with Greek). *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek], English,



Philosophy, Science (Physics, or Chemistry, or Biology, or Geology), another Science, (or Modern, or Ancient History, or Minor Philosophy, or Mathematics). *As a Group*, Greek and Classical Archæology. *As Free Electives*, History of Art, or Post-major Greek, or Minor Latin, ten hours a week for one year.

SCIENCE. *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Science, (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Philosophy, or Minor Mathematics, or Elective Mathematics). *As a Group*, Physics and Chemistry, or Physics and Geology, or Physics and Biology, or Chemistry and Geology, or Chemistry and Biology, or Geology and Biology. *As Free Electives*, Mathematics and Physics, or Chemistry, or Geology, or Biology, ten hours a week for one year.

PRELIMINARY MEDICAL COURSE. *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Minor Physics, Major Physics. *As a Group*, Chemistry and Biology. *As Free Electives*, Post-major Biology and Post-major Chemistry, or Minor Latin, (if not taken as a required study), ten hours a week for one year.

PREPARATION FOR SOCIAL SERVICE. *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Minor and Major Biology. *As a Group*, Economics and Politics and Philosophy. *As Free Electives*, Post-major Economics and Politics, or Modern History, or Mathematics.

The following combinations may be adopted by those who wish to pursue a three years' course in history, economics and politics, or science, or English, yet do not wish to elect an historical, or economic, or a scientific or language group.

I. *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, any Science, Modern History. *As a Group*, any Language with any language, or Chemistry and Biology. *As Free Electives*, Ancient History, five hours a week for one year, and Major Modern History five hours a week for one year.

II. *As above*, but for Modern History substitute Minor Economics and Politics, and for Ancient History, Major Economics and Politics, and for Major Modern History, Post-major Economics and Politics.

III. *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Physics and Chemistry, or Geology, or Biology. *As a Group*, any language with any language. *As Free Electives*, Major and Post-major Physics, or Chemistry, or Geology, or Biology, five hours a week for two years.

IV. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Modern, *or* Ancient History, *or* Minor Economics and Politics, *or* Minor Philosophy, *or* Minor Mathematics). *As a Group*, Greek and Latin. *As Free Electives*, Minor and Major English, five hours a week for two years.

Every undergraduate student is expected to consult the Dean of the College in regard to the details and best arrangement of her various studies, and to register her course of study in the president's office before entering upon college work. Regular attendance of classes is required.

The studies leading to the degree of Bachelor of Arts, may, as a rule, be taken in any order preferred by the student, but students are advised to plan their work carefully in advance with reference to the lecture schedule in order that a conflict of hours may not later in their course prevent them from electing all the studies which they desire. Students who elect English as a major study, for example, must take the general English literature lectures and essay work in their first and second years in the college because they are required to complete this work before entering the major course in English. Students choosing a scientific group, such as chemistry and biology, must arrange their courses so as to avoid conflicts in the hours for laboratory work. Trigonometry is required for the work of the major year of the group course in physics.

Those students who have not decided on their group may in the first year pursue required studies only, or may elect one of the courses belonging to the group to which they most incline, with the understanding that if they should desire to change their group that course will be counted as a free elective; those students whose tastes are already fully formed, or who are uncertain how many years they shall remain in college, may enter at once on free elective studies and on the study of both subjects of their group. There are obvious advantages for the student in deferring as long as possible the choice of her free electives and her group, inasmuch as the required studies, by accustoming her to the methods of laboratory work, and to the study of lan-

guages, literature, and history, afford her every opportunity of ascertaining her true tastes and aptitudes.

The students are not divided into the traditional college classes and there is no limit of time for graduation; in order to pursue a wider course of reading in connection with single subjects, or to attend a greater variety of lectures, the ablest students may choose to defer graduation; personal considerations only determine the time spent in completing the studies required for a degree. Nevertheless these requirements constitute strictly a four years' course; that is to say, if the time given to lectures and class work be, as is usual, fifteen hours a week, a student passing the ordinary matriculation examination, and availing herself of the preliminary courses of the college in the subjects which that examination did not include, in all cases requires precisely four years. To give more time for advanced studies and to lighten the college course, students are permitted to take examinations in certain subjects included in the course without attending the college classes in these subjects. Trigonometry, solid geometry, and the fourth language (Matriculation French, or German, or Greek, or Minor Latin) may be taken in this way if offered not later than the beginning of the junior year. A student who can furnish proof that she has acquired advanced knowledge of German or French by attendance on regular advanced classes conducted by a school, or college, or by visiting teachers, or by residence abroad, or by study under German or French governesses at home, is permitted to take examinations for advanced standing in reading and composition in these languages, but only in the first three weeks after entering college. Students entering college at the beginning of the second semester are not permitted to register for more than fifteen hours of college work, or to offer advanced standing examinations in order to complete the work required for a degree in less than four years.

*Studies  
Leading  
to a  
Second  
Degree.*

Graduates of Bryn Mawr College, and graduates of other colleges who shall have satisfied the Academic Council that the course of study for which they have received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or who shall have attended such additional



courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degree of Doctor of Philosophy and Master of Arts; admission to the graduate school does not in itself qualify a student to become a candidate for this degree. A separate degree of Master of Arts is open to graduates of Bryn Mawr College, but to them only.

The candidate for the degree of Master of Arts must be a Bachelor of Arts of Bryn Mawr College and must have worked as a graduate student at Bryn Mawr College for a full year\* during which at least two-thirds of her time must have been devoted to advanced work in closely related lines according to a course of study approved by the Graduate Committee of the Academic Council. The candidate must submit her proposed course of study for the approval of this committee before the third week in October. She must pass a special written examination on each subject to the satisfaction of the department in which she has studied, and must announce her candidacy for the degree to the President not later than the first day of May in the academic year in which the degree is to be conferred.

*The Degree  
of  
Master of  
Arts.*

The degree of Doctor of Philosophy and Master of Arts may be conferred upon graduates of Bryn Mawr College, and upon graduates of other colleges who shall have satisfied the Academic Council either that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or that it has been adequately supplemented by subsequent study. The degree is given to no one who cannot read French and German, or who is unacquainted with Latin. The degree of Doctor of Philosophy will in no case be conferred by the College as an honorary degree.

*The Degree  
of  
Doctor of  
Philosophy  
and  
Master of  
Arts.*

#### REQUIREMENTS.

1. *Time.*—The earliest date at which the Ph.D. degree may be taken is three years after graduation, but the element of time is subordinate to the other requirements. The minimum of three years will usually be exceeded.

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\* It is understood that the work done for the degree of Master of Arts does not necessarily count as a full year towards the degree of Doctor of Philosophy and Master of Arts.



2. *Residence.*—The candidate must devote to graduate work the equivalent of three full years, of which at least two must be at Bryn Mawr, and the third if not at Bryn Mawr at some other college or university approved by the Graduate Committee.

3. *Subjects.*—The course of study shall consist of one major subject and two minor subjects, of which one (the associated minor) shall be in the same department as the major subject, or in a closely allied department specified in the printed requirements; the other (the independent minor) shall complete a combination authorised in the printed requirements. Certain combinations will permit the independent minor to be taken in the same department as the associated minor, when this is not in the same department as the major subject. The printed list of independent minors shall consist of subjects that are recommended, and the Graduate Committee shall have power to accept subjects not specified in the list.

4. *Courses.*—During the three years devoted to graduate work the candidate shall take a certain number of seminars stated below; in case any part of the three years is spent at some other college or university, the Graduate Committee shall determine the Bryn Mawr equivalents of the courses there taken.

In the major subject together with the associated minor the candidate shall take during each of three years one journal club and two seminars, or graduate courses recognised by the Graduate Committee as seminars;\* in the independent minor she shall take for one year two seminars, or graduate courses recognised as seminars. The division of the seminars between the major and the associated minor shall be subject to the approval of the Supervising Committee. In no case shall less than two seminars and one journal club for two years be taken in the major subject.

The required courses may be spread over more than three years; but the student may not take four required seminars with one instructor unless authorized by the Graduate Committee.

No post-major work or work equivalent to post-major shall count towards the degree, even though a candidate may be obliged to take such work in order to supplement her preparation in her subjects, except in the case of such courses in science as shall be designated in the calendar and accepted by the Graduate Committee as equivalent to graduate seminars in virtue of assigned supplementary reading or laboratory work or both.

Of the courses required in the major and associated minor, two seminars and one journal club for at least two years must be taken before the Preliminary Examination, as well as the whole of the work in the independent minor. All must be completed before the Final Examination.

5. *Dissertation.*—The dissertation must be the result of independent investigation in the field covered by the major subject, under such direction as may be necessary; it must contain new results, arguments, or conclu-

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\* A course will not be regarded as equivalent to a seminary unless it requires about one-third of the student's time.

sions, or it must present accepted results in a new light. It must be published within three years from the Commencement after the candidate has passed the Final Examination, unless a special extension of time is granted by the Graduate Committee; and 150 copies (including the vita), of which two must be bound in a specified manner, must then be supplied to the College. The candidate shall not be entitled to use the degree until her dissertation shall have been published in approved form.

6. *Examinations.*—The progress and attainments of the candidate shall be tested by examinations as explained in the printed regulations.

*Registration.*—Before an applicant for the degree of Ph.D. can be admitted as a candidate she must submit\* to the Graduate Committee in writing an account of her general preparation, stating in particular the extent of her knowledge of Latin, French, and German; stating also the subjects she wishes to offer as major and minors for the degree, and the amount and character of the work already done in these subjects. If this statement is satisfactory she will be registered as a candidate. When the Graduate Committee decides that the candidate's preparation is in any way insufficient she will be required to undertake suitable extra work.

For undergraduate students and hearers the charge for tuition is two hundred dollars a year, payable in advance.† The average cost of teaching each undergraduate student is over four hundred dollars a year. The tuition fee has been fixed at two hundred dollars in order not to exclude those unable to pay the entire amount but the difference between the actual cost and the price of tuition must be met from the small endowment funds of the college and from outside gifts. Voluntary contributions from parents or students able and willing to pay the whole or any part of this additional two hundred dollars will be credited as a gift towards the college salaries for teaching. No reduction of the charge of two hundred dollars can be made on account of absence, illness, dismissal during the currency of a semester, term, or year, or for any other reason whatever and no refunding will be made on account of any said causes in case of a payment in advance.

*Tuition  
for  
Under-  
graduate  
Students.*

Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be

\* Using the application blank issued by the Graduate Committee.

† Students that intend to take the degree of Bachelor of Arts in February will be charged only one half the regular tuition fee if they register this intention in the comptroller's office before beginning their college work, provided their entire academic work can be completed in the first semester.

permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

For undergraduate students there is an additional charge of ten dollars a semester for materials and apparatus for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

In courses in Geology each hour of field work is counted as one hour of laboratory work. Not more than one laboratory course is required of candidates for a degree.

*Residence  
for  
Under-  
graduate  
Students.*

Residence in the college buildings is required of all undergraduate students except those who reside with their families in Philadelphia or in the neighbourhood. The expense of board and residence in the college halls for undergraduate students is three hundred and twenty-five dollars a year and upwards, according to the room or rooms occupied by the student; in about one-third of the college rooms the expense of board and residence is three hundred and twenty-five or four hundred dollars. Of this charge two hundred and twenty-five dollars is the charge for board, and is payable half-yearly in advance, the remainder is room-rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expense of furnishing, service, heating, and light.\*

The health of the students is under the charge of a Health Committee consisting of the President, the Dean of the College, the Director of Athletics, and the Physicians of the College. See pages 151 to 152 of this Calendar.

Every student entering the college will be vaccinated unless she can furnish satisfactory proof that she has been successfully vaccinated not more than two years previously.

The conduct of the students in all matters not purely academic, or affecting the management of the halls of residence, or the student body as a whole, is in the hands of the Students' Association for Self-Government, which was organized in 1892. All persons studying in Bryn Mawr College, whether graduates or undergraduates, are members of this association.

The College reserves the right to exclude at any time students whose conduct or academic standing renders them undesirable members of the college community, and in such cases the fees due or which may have been paid in advance to the college will not be refunded or remitted in whole or in part.

Plans and descriptions of the academic buildings and of the halls of residence, Merion Hall, Radnor Hall, Denbigh Hall,

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\* Rugs and towels must be furnished by the students themselves.



Pembroke Hall West, Pembroke Hall East, and Rockefeller Hall, with a full account of the halls and tariff of rooms, are published as Part 4 of the Bryn Mawr College Calendar and may be obtained by application to the Secretary of the College. Each of the halls of residence (except Pembroke, which has a common dining-hall and kitchen for the two wings) has its separate kitchen and dining-hall, provides accommodation for from sixty to seventy students, and is under the charge of a resident warden. Application for rooms should be made as early as possible. The demand for rooms is very great and since reserving a room unnecessarily may prevent some other student from entering the college, every application for a room or suite of rooms, whether made by a student already in residence or by a candidate for admission to the college, must be accompanied by a deposit of fifteen dollars, otherwise the application will not be registered. The amount of this deposit will be deducted from the rent if the room or suite of rooms assigned be occupied by the applicant. The amount of this deposit will be refunded only in the following cases. In all other cases the deposit will be forfeited to the college.

a. If an applicant who is a student of the college gives formal notice to the Secretary of the College before the first of May preceding the academic year for which the application is made that she wishes to withdraw her application.

b. If a candidate who has applied for admission to the college in October gives formal notice to the Secretary of the College before the fifteenth of July preceding the academic year for which the application is made that she wishes to withdraw her application.

c. If a candidate who has applied for admission to the college in February gives formal notice to the Secretary of the College before the first of December preceding the semester for which the application is made that she wishes to withdraw her application.

The above mentioned deposit of fifteen dollars must also be made by each student in residence in order to insure the tenure of her room for the following academic year.\*

Every applicant giving up later than the first of September the room or suite of rooms assigned to her for the ensuing aca-

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\* Every student except a member of the freshman class who moves from one hall to another is charged a fee of ten dollars for moving, and every student except a member of the freshman class who moves from one room to another in the same hall is charged a fee of five dollars. This fee entitles a student to have five pieces moved free of charge.



ademic year is responsible for the rent thereof for the whole year; exception will be made only in the case of applicants that take, and fail to pass, the autumn examinations for matriculation, but even in this case the deposit cannot be refunded. Every applicant for a room for the second semester will be responsible for the rent of the room or suite of rooms assigned to her for this semester, unless she gives formal notice of withdrawal to the Secretary before the first of January. The charges for room-rent are not subject to remission or deduction under any circumstances, or in case of withdrawal for any cause whatever, even though during the currency of a semester, term, or year paid for in advance the student shall be dismissed. The applicant is not entitled to dispose of the rooms thus left vacant, this right being reserved exclusively by the college.

In case of prolonged illness and absence from the college extending over six weeks or more, there will be a proportionate reduction in the charge for board.

Rooms are assigned to members of the entering class who have already passed their entrance examinations during the summer preceding the academic year for which application is made. Candidates who do not complete their examinations until the autumn will be assigned rooms then if any rooms chance to be vacant. No particular room or set of rooms may be applied for. Applicants are allowed to choose in turn from among all the rooms left vacant, the order of choice being determined by the date at which the application is registered. Cheques should be drawn payable to Bryn Mawr College.

Every student who changes her room is required to pay an extra fee of fifteen dollars. Students are expected to provide their own rugs and towels, but in every other respect the rooms are completely furnished. Electric reading lamps, table napkins, sheets, etc. are provided by the college. No part whatever need be taken by the students in the care of their own rooms.

There are open fire-places in nearly all the studies and in many single rooms, but the rooms are sufficiently heated by steam; the air in each room is changed every ten minutes, and the temperature is regulated by a thermostat in each room. Electric reading lamps are provided in every room. The students' personal washing may be done by any laundry recommended by the college for 50 cents a dozen, or about \$8 a half-year for one dozen pieces a week. On account of the danger of infectious diseases students in residence are not permitted to send their washing to private laundresses.

Accommodation is provided for students that wish to remain at the college during the Christmas and Easter vacations at \$1.50 a day or \$10.50 a week for undergraduate students and at \$1.20 a day or \$8.40 a week for graduate students. During the Christmas vacation the halls of residence are closed but accommodation is provided on or near the college campus. During the Easter vacation the halls of residence are kept open and undergraduate and graduate students may occupy their own rooms at the above rates.

Students remaining during any part of the Christmas or Easter vacations in Bryn Mawr, or the immediate neighborhood, not in their own homes, are required to take advantage of these arrangements and will be charged at the above rates for the period of the vacation. Students not going to their own homes are required to inform the Secretary in advance of their intention to spend the vacation elsewhere and to register their addresses in the college office.

For undergraduate students the fees are as follows:

*Summary  
of  
Expenses  
for  
Under-  
graduate  
Students.*

|   |           |
|---|-----------|
| Tuition for the academic year, payable October 1st.....   | \$200.00  |
| Room-rent for the academic year, payable October 1st.....   | \$100.00* |
| or \$175, \$200, \$225, \$250, \$275, \$300, \$325, \$350, \$400, depending<br>on the room or rooms occupied. |           |
| Infirmary fee for the academic year, payable October 1st.....   | \$ 10.00  |
| Board for the academic year, payable in equal instalments, October<br>1st and February 1st.....               | \$225.00  |
| <hr/>   |           |
| Total for tuition, residence, and infirmary fee for the academic<br>year with minimum room-rent.....          | \$535.00  |
| Laboratory fees, for laboratory course of less than four hours a<br>week for the academic year.....           | \$ 10.00  |
| For laboratory course of four or more hours a week for the academic<br>year.....                              | \$ 20.00  |
| Graduation fee.....   | \$ 20.00  |

The fees are due on the first day of each semester and students whose fees are not paid before November first in the first semester or before March first in the second semester are not permitted to continue in residence or in attendance on their classes.

THE STUDENTS' LOAN FUND OF BRYN MAWR COLLEGE was founded by the Class of 1890 for the purpose of receiving contributions, however small, from those who are interested in aiding students to obtain an education. The money thus contributed is distributed in the form of partial aid, and as a loan. It is as a rule applied to the assistance of those students only who have attended courses in the college for at least one year. The fund is managed by a committee consisting of the President of the College and representatives of the Alumnae Association of Bryn Mawr College. The committee reports yearly to the Board of Trustees and to the Alumnae Association. The committee consists of the following members: President M. Carey Thomas; Miss Martha G. Thomas, Secretary and Treasurer, Bryn Mawr College; Mrs. Edward Wyatt Evans, 151 E. Coulter Street, Germantown, Philadelphia; Miss Ethel Pew, Morris Avenue, Bryn Mawr, Pa., Miss Kathrine Leonard Howell, 3307 Hamilton Street, Philadelphia, and Mrs. Robert Darrah Jenks, 1704 Rittenhouse Street, Philadelphia. Contributions may be sent to any member of the committee. Applications for loans should be sent to the Treasurer of the committee, and all applications for loans for any given year should be made before May 1st, of the preceding academic year.

*Loan  
Fund.*

SCHOLARSHIPS.—Four competitive entrance scholarships, of the value of \$100 each, are awarded annually to candidates receiving their final certificates in the spring matriculation examinations of Bryn Mawr College. One is open to candidates from each of the following districts:—(a) The New England States; (b) New York, New Jersey, and Delaware; (c) Ohio, Indiana, Illinois, Michigan, and Wisconsin, and the States west of the Mississippi River; (d) Pennsylvania and all places not included in (a), (b), and (c). The

*Scholar-  
ships.*

\* In about one-sixth of the college rooms the rent is \$100, making the cost of board, residence, and tuition for undergraduate students \$525 but students desiring to apply for rooms at \$100 must file a statement at the president's office that they are unable to afford rooms at a higher price.

district to which a candidate is considered to belong is determined by the school at which she receives her final preparation, or in case of preparation by private study by the place of residence during the year preceeding the final examination; but candidates may present themselves for examination at any place where such examination is held. These scholarships, which are to be held for one year only, are awarded in each of the above named districts on the basis of the sum total of marks obtained by the candidate, but no one is eligible for a scholarship who has received more than two conditions in the twenty sections of the examination. When the examination has been divided no account is taken of those conditions incurred in the first division which have been passed off in the final examination. The competition is limited to those who intend to spend at least one year in residence at Bryn Mawr College, who have not studied at any other college, and have not cancelled any division of the Bryn Mawr College matriculation examinations. All those who present themselves are *ipso facto* candidates for these scholarships, no formal declaration of candidacy being required.

Eight scholarships for non-resident students of \$200 each, entitling the holder to free tuition, renewable for four consecutive years, were founded by the College in 1893, and were presented to the public schools of Philadelphia through Dr. Brooks, the Superintendent of the Public Schools of Philadelphia, on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examination of Bryn Mawr College in the High School for Girls, Philadelphia; 2. She shall have been recommended by the Board of Education of Philadelphia, and their recommendation shall have been approved by the Directors of Bryn Mawr College; 3. The scholarship shall be renewed annually by the Directors, until the holder has completed her fourth year at college, provided her conduct and academic work have been satisfactory to the authorities of the college.

The L. C. B. Saul Memorial Scholarship. In 1893 the Alumnae Association of the Girls' High and Normal School of Philadelphia founded at Bryn Mawr College a scholarship entitling the holder to free tuition, renewable for four years. This scholarship is awarded every four years to the graduate of the Girls' High School who passes the matriculation examination of Bryn Mawr College for that year with the highest credit. In 1904 the scholarship was renamed the L. C. B. Saul Memorial Scholarship.

One scholarship of \$200 entitling the holder to one year's free tuition, was founded by the College in 1895, and was presented to the School Board of Education of Lower Merion Township, Montgomery County, Pa., for the benefit of graduates of the High School at Lower Merion Township, Ardmore, Pa., on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examinations in the Lower Merion High School; 2. She shall have been recommended by the School Board of Education of Lower Merion Township, and their recommendation shall have been approved by the Directors of Bryn Mawr College; 3. If in any year there shall be, in the judgment of the School Board of Education of Lower Merion Township, no satisfactory candidate in the graduating class, the scholarship may be renewed during the following year for the benefit of a former holder, provided her conduct and academic work have been satisfactory to the authorities of the college.

One scholarship of \$200 entitling the holder to one year's free tuition was founded by the Directors in 1909 and was presented to the School Board of Education of Norristown, Pa., for the benefit of graduates of Norristown High School, on the following terms: 1. That the candidate shall have received all her preparation for Bryn Mawr College in the Norristown High School; 2. That she shall have successfully passed the entrance examinations of Bryn Mawr College not later than the June preceeding the autumn in which she wishes to enter the college; 3. That this scholarship shall not be awarded twice to the same person unless the Superintendent of Schools shall file in the office of the President of the College a statement to the effect that no other member of the graduating class is able to compete for the scholarship; 4. That the candidate shall have been nominated to the Board of Directors of Bryn Mawr College by the Superintendent of Schools or by the Board of Education and that such nomination shall have been duly approved by the Board of Directors of Bryn Mawr College.



One competitive scholarship of the value of \$200, renewable till graduation, is open annually for competition to members of the Society of Friends who are unable to pay the full charge for tuition and residence. This scholarship is awarded, as far as possible, under the same rules as those governing the award of the competitive entrance scholarships of Bryn Mawr College. Two additional scholarships of the value of \$200 each are open for competition to graduate students who are members of the Society of Friends and need financial assistance. Three scholarships, of \$400 each, for one year, are open to those graduates of Earlham, Penn. and Guilford Colleges respectively, who in the preceding year have completed the course of their several colleges with most distinction. These scholarships have been established by the Trustees in accordance with the desire of the Founder of the college to promote the advanced education of women in the Society of Friends, of which he was a member.

Scholarships of the value of \$500 each were founded in 1885 by the Board of Managers of the Bryn Mawr School, of Baltimore, Maryland. One of these scholarships is open annually to the graduate of the Bryn Mawr School who has completed the school course with most distinction.

The James E. Rhoads Memorial Scholarships two in number, each of the value of \$250 for one year, were founded in 1897 by the Alumnae Association of Bryn Mawr College, in memory of the first President of the College, Dr. James E. Rhoads. The first of these scholarships is the James E. Rhoads Sophomore Scholarship, and is open to those students only who have completed college work amounting to not less than twenty and not more than forty-five hours (three semesters' work) for a year, and have been in attendance upon lectures at Bryn Mawr College not less than one semester. The second of these scholarships is the James E. Rhoads Junior Scholarship, and is open to those students only who have completed college work amounting to not less than forty and not more than seventy-five hours (five semesters' work) for a year, and have been in attendance upon lectures at Bryn Mawr College not less than three semesters. To be eligible for either of these two scholarships a student shall have attained a high degree of excellence in her work, shall express her intention of fulfilling the requirements for the degree of A.B. at Bryn Mawr College, and shall prove her need of financial aid to the satisfaction of the nominating committee. In case either scholarship is awarded to a non-resident student, its value shall not exceed \$150. The nominating committee consists of the President of Bryn Mawr College, two members of the Faculty of the College, appointed annually by the Council, the President of the Alumnae Association of Bryn Mawr College and three other members of the Alumnae Association appointed by the executive committee of the Alumnae Association. Applications for the scholarships should be addressed to the Recording Dean and Assistant to the President, Bryn Mawr College, to be forwarded to the Chairman of the Committee.

The Mary E. Stevens Scholarship of the value of \$160 founded in 1896 by former pupils of Miss Mary E. Stevens's School is awarded to a member of the Sophomore class who needs financial assistance, to be held at Bryn Mawr College, during the junior year. It is open to those students only who have registered for college work amounting to not less than forty and not more than sixty-five hours for a semester and have been in attendance upon lectures at Bryn Mawr College not less than three semesters. Applications for this scholarship should be addressed to the President of Bryn Mawr College.

Two Maria Hopper Scholarships of the value of \$200 each were founded in 1901 by the bequest of the late Maria Hopper of Philadelphia. They are awarded, on the ground of excellence in scholarship, to two members of the freshman class who need financial assistance, to be held at Bryn Mawr College during the sophomore year. They are open to those students only who have registered for college work amounting to not less than twenty and not more than forty-five hours for a semester and have been in attendance upon lectures at Bryn Mawr College not less than one semester. Applications for these scholarships should be addressed to the President of Bryn Mawr College.

The Anna M. Powers Memorial Scholarship of the value of \$200 was founded in 1902 by Mrs. J. Campbell Harris in memory of her mother, Anna M. Powers. The scholarship is open to members of the junior class who need financial aid in order to complete the work for the degree and is to be held in the senior year. The holder is nominated by the honor subject to the approval of the President and Faculty of the College.



The Maria L. Eastman Brooke Hall Memorial Scholarship of the value of \$100 was founded in 1901, in memory of Maria L. Eastman, Principal of Brooke Hall School for Girls, Media, Pa., by the Alumnae and former pupils of the school. It is awarded each year on the ground of scholarship, irrespective of the need of financial aid, to a member of the junior class to be held during the senior year. No application for the scholarship is necessary.

The Charles E. Ellis Scholarships of the value of \$200 each were founded in 1909 by the bequest of the late Charles E. Ellis and are awarded on the recommendation of the Superintendent of the Public Schools of the City of Philadelphia to students educated in the public schools of Philadelphia who have passed the entrance examinations of Bryn Mawr College and whose nomination has been approved by the Board of Directors of the Trustees of Bryn Mawr College.

A special Thomas H. Powers Memorial Scholarship of the value of \$200 was given in 1910 by Mrs. J. Campbell Harris in memory of her father, Thomas H. Powers. The holder is nominated by the donor subject to the approval of the President and Faculty of the College.

The Anna Hallowell Memorial Scholarship of the value of \$100 was founded in 1912 by the family of the late Anna Hallowell. It is awarded to a member of the sophomore class in need of financial assistance to enable her to continue her studies during her junior year, and is to be given by the faculty to the student satisfying the above requirement who has the highest academic record provided that this student does not hold any other scholarship. This provision may, however, be disregarded in case of great financial need.

The Frances Marion Simpson Scholarships, four in number, each of the value of \$200 were founded in 1912 by Mr. Alexander Simpson, Jr., in memory of Frances Simpson Pfahler, of the class of 1906; one scholarship to be awarded in each October, to a candidate who receives her final certificate in the preceding spring matriculation examination. Competition for these scholarships is open only to residents of Philadelphia and Montgomery counties who have been prepared for Bryn Mawr College in the public schools of the said counties, or at home by their parents and guardians, or in the model school of the Department of Education of Bryn Mawr College, or in Miss S. Janet Sayward's School at Overbrook, Pennsylvania; and only those students who are unable or whose parents are unable to afford to pay the fees for tuition in Bryn Mawr College are entitled to compete.

The scholarships are renewable for four successive years, and are meant for those students only who take the full college course. Students holding the scholarships who become able to pay the tuition fees of Bryn Mawr College in whole or in part are required to do so, and all holders of the scholarships are required to promise to repay for the benefit of other students in need of the scholarship, the advances made to them, when they can do so without oppressing themselves or neglecting their duties to others.

The Mary Anna Longstreth Memorial Scholarship of the value of \$200 was founded in 1913 by the Alumnae of the Mary Anna Longstreth School, the children of Alumnae, and a few of her friends in grateful memory of Mary Anna Longstreth. The scholarship, which provides free tuition for one student, is to be awarded each year to a student who needs financial aid to begin or continue her college course.

The Elizabeth Duane Gillespie Scholarship in American History of the value of \$60 was founded in 1903 by the Pennsylvania Society of Colonial Dames of America, in memory of Elizabeth Duane Gillespie. It is awarded annually to a member of the sophomore or junior class, on condition that the holder of the scholarship devote to the study of American history at least four hours a week for one year during the last two years of her college course. The candidate is to be selected by the Faculty of Bryn Mawr College on the ground of excellence in scholarship.

The Woman's Medical College of Pennsylvania presented to Bryn Mawr College in 1910 a scholarship to be awarded to a graduate of the college recommended by the President and Faculty as in their opinion qualified to take up the study of medicine. The holder is given free tuition for one year at the Woman's Medical College of Pennsylvania and the scholarship will be renewed for the three remaining years of the medical course if the holder's record prove satisfactory.

FOUNDATION OF SCHOLARSHIPS.—The sum of five thousand dollars given or left by will to the Directors of Bryn Mawr College, will found a perpetual scholarship giving free tuition to one student every year. The scholarship may be given in memory of and named after any person designated by the donor.

### FORM OF BEQUEST.

*I give and bequeath to The Trustees of Bryn Mawr College, a corporation established by law in the State of Pennsylvania the sum of.....to be invested and preserved inviolably for the endowment\* of Bryn Mawr College, located at Bryn Mawr, Pennsylvania.*

*Dated.....*

For graduate students attending six or more hours a week of lectures, and for fellows and graduate scholars the tuition fee is one hundred and twenty-five dollars a year, payable half-yearly in advance. For other graduate students† who do not wish to devote all their time to graduate work the fees are as follows, payable in advance: for one hour a week of lectures, ten dollars a semester; for two hours a week of lectures, twenty dollars a semester; for three hours a week of lectures, thirty dollars a semester; and for four or five hours a week of lectures, forty dollars a semester.‡ This arrangement is made especially for non-resident graduate students, but those who wish to take five hours a week of lectures or less may live in the college halls on the understanding that they must give up their rooms

***Tuition  
for  
Graduate  
Students.***

\* The bequest may be made, if desired, for foundation of professors' chairs, scholarships' fellowships, or for some other specified purpose.

† Doctors of Philosophy of Bryn Mawr College may attend lectures or work in the laboratories without payment of any fee except for material used in the laboratory.

‡ The fees charged are reckoned on the basis of the actual hours of conference or lecture, irrespective of the number of undergraduate hours to which the course is regarded as equivalent.

In counting the number of hours for which a graduate student is registered the following special arrangements are made in regard to laboratory courses: payment for a one hour lecture course in a scientific department entitles the student to four hours of laboratory work in addition with no extra charge except the laboratory fee. Students registered for laboratory work only, are charged the following tuition fee: for each two and one-half hours of undergraduate laboratory course and for each five hours of graduate laboratory course the same fee as for a one hour lecture course. The laboratory fees as stated above are charged in addition to the charge for tuition.

if needed for students who are taking the full amount of graduate work and paying the regular tuition fee. The tuition fee for the semester becomes due as soon as the student is registered in the college office. No reduction of this fee can be made on account of absence, dismissal during the currency of the semester, term, or year covered by the fee in question, or for any other reason whatsoever. Graduate students are admitted to residence or to attendance on lectures at any time during the year, and in this case a proportionate reduction is made in the charges for board and room-rent and for tuition. Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

*Laboratory  
Fees.*

Graduate students taking courses in scientific departments (Physics, Chemistry, Geology, Biology, and Psychology) amounting to six or more hours a week of lecture courses or its equivalent in laboratory courses are charged a laboratory fee of eighteen dollars a semester, with the following exceptions: if the student takes, as a regular student, courses in subjects not enumerated above amounting to six hours a week the laboratory fee is reduced to twelve dollars a semester; and if she takes, as a regular student, courses in subjects not enumerated above amounting to ten hours a week the laboratory fee is reduced to six dollars a semester.

Graduate students taking less than six hours a week of lectures, or its equivalent in laboratory work, and graduate students taking one undergraduate laboratory course only are charged a laboratory fee of ten dollars a semester for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

Graduate students taking courses in the department of Social Economy and Social Research are charged a laboratory fee of \$5 a semester and are also required to provide themselves with a 100 trip ticket between Bryn Mawr and Philadelphia costing \$15.44. Any extra expenses for train fares or car fares or other charges in connection with the work required by the department will be defrayed by the department.

*Residence  
for  
Graduate  
Students.*

Residence in the college buildings is optional except for holders of resident fellowships and scholarships. In each hall of residence, except Merion Hall, a special wing or corridor is reserved for graduate students, and in order to secure entire quiet no undergraduate students are permitted to engage rooms in the graduate wings. The expense of board and residence in the graduate wings of the college halls is two hundred and seventy-five dollars. Of this amount two hundred and



twenty-five dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expenses of furnishing, service, heating, and light.\*

A deposit of fifteen dollars is required from each graduate student, fellow, or scholar who desires to reserve a room in a hall of residence. The amount of this deposit will be deducted from the rent if the room is occupied by the student; it will be refunded if the student gives formal notice to the Secretary of the College before the fifteenth of July preceding the academic year for which the application is made that she wishes to withdraw her application. If for any reason whatever the change or withdrawal be made later than July fifteenth, the deposit will be forfeited to the College.

For graduate students the fees are as follows:

Tuition for the semester, payable on registration:

|   |          |
|---|----------|
| For one hour† a week of lectures.....                         | \$ 10.00 |
| For two hours a week of lectures.....                         | \$ 20.00 |
| For three hours a week of lectures.....                       | \$ 30.00 |
| For four or five hours a week of lectures.....                | \$ 40.00 |
| For six or more hours a week of lectures.....                 | \$ 62.50 |
| Room-rent for the academic year, payable on registration..... | \$ 50.00 |
| Board for the semester payable on registration.....           | \$112.50 |

Total expenses for the academic year:

|  |          |
|--|----------|
| Tuition fee, for six or more hours a week of lectures..... | \$125.00 |
| Room-rent.....   | \$ 50.00 |
| Board.....   | \$225.00 |
| Infirmity fee.....   | \$ 5.00  |

|  |              |
|--|--------------|
| Total for tuition, residence, and infirmity care for the academic year | \$405.00     |
| Laboratory fees for the academic year.....                             | \$10 to \$36 |

*Summary  
of  
Expenses  
for  
Graduate  
Students.*

Students whose fees are not paid by November first in the first semester or by March first in the second semester are not permitted to continue in residence or in attendance on their classes.

The Bryn Mawr European Fellowship of the value of \$500 was founded in 1889. It is awarded annually to a member of the graduating class of Bryn Mawr College on the ground

*European  
Travelling  
Fellow-  
ships.*

\* Rugs and towels must be furnished by the students themselves. Graduate students will, upon request, be supplied with rugs.

† See footnote, page 193.



of excellence in scholarship. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The President M. Carey Thomas European Fellowship of the value of \$500 was founded in 1896 by Miss Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a student in her first year of graduate work at Bryn Mawr College. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The Mary E. Garrett European Fellowship of the value of \$500 was founded in 1894 by Miss Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a student still in residence who has for two years pursued graduate studies at Bryn Mawr College. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The Anna Ottendorfer Memorial Research Fellowship in German and Teutonic Philology of the value of \$700 was founded in 1907 by Mrs. Anna Woerishoffer of New York City in memory of her mother. It is intended to defray the expenses of one year's study and residence at some German university and is awarded annually to a graduate student who has completed at least one year of graduate study at Bryn Mawr College but is not necessarily still in residence when making application for the fellowship. The fellowship will be awarded to the candidate who shows such proficiency in her studies or in independent work as to furnish reason to believe that she will be able to conduct independent investigations in the field of Teutonic Philology or German. The choice of a university may be determined by the holder's own preference subject to the approval of the Faculty. Application for the fellowship should be addressed to the President.

***Resident  
Fellow-  
ships.***

The Helen Schaeffer Huff Memorial Research Fellowship in Physics or Chemistry of the value of \$750, and seventeen resident fellowships, of the value of \$525 each, are awarded annually in Greek, Latin, English, German and Teutonic Philology, Romance Languages, Semitic Languages and Biblical Literature, History, Philosophy, Psychology, Archaeology, Mathematics, Physics, Chemistry, Geology and Biology, the Justus C. Strawbridge Fellowship in Economics and Politics, and the Carola Woerishoffer Memorial Fellowship in Social Economy and Social Research. They are open for competition to graduates of Bryn Mawr College, or of any other college of good standing, and will be awarded only to candidates who have completed at least one year of graduate work at some college of good standing after obtaining their first degree. The fellowships are intended as an honor, and are awarded in recognition of previous attainments; generally speaking, they will be awarded to the candidates that have studied longest or to those whose work gives most promise of future success. All fellows may study for the degree of Doctor of Philosophy, the fellowship being counted, for this purpose, as equivalent to the degree of Bachelor of Arts. Fellows that continue their studies at the college after the expiration of the fellowship, may, by a vote of the directors, receive the rank of Fellows by Courtesy.

***Duties of  
Resident  
Fellows.***

Fellows are expected to attend all college functions, to wear academic dress, to assist in the conduct of examinations, and to give about an hour a week to the care of special libraries in the halls of residence and in the seminaries, but no such service may be required of them except by a written request from the president's office; they are not permitted while holding the fellowship to teach, or to undertake any other duties in addition to their college work. They are expected to uphold the college standards of scholarship and conduct and to give loyal support to the Students' Association for Self-Government. They are required to reside in the college and are assigned rooms by the Secretary of the College. They are charged the usual fee of four hundred and five dollars for tuition, board, room-rent, and infirmary care.

The holder of a fellowship is expected to devote at least one half her time to the department in which the fellowship

is awarded, and to show by the presentation of a thesis or in some other manner that her studies have not been without result.

A resident College Settlements Association joint fellowship\* was established in 1915 and has been offered for 1915-16 and 1916-17 by the College Settlements Association together with independent alumnae of Bryn Mawr College to a Bryn Mawr College graduate who wishes to prepare herself for settlement work. The value of the fellowship is \$525, \$125 of which is given by the College to meet the tuition fee. The holder of the fellowship is required to live in the College Settlement in Philadelphia and to give her entire time to the work of the Department of Social Economy, the practicum, carried on in the Settlement, occupying one-third of her time. Applications may be sent either to Miss Helen F. Greene, 80 Pinkney Street, Boston, Mass., or to the President of Bryn Mawr College.

***Resident  
Graduate  
Scholar-  
ships.***

Twenty Graduate Scholarships, of the value of \$200 each, may be awarded to candidates next in merit to the successful candidates for the fellowships; they are also open for competition to graduates of Bryn Mawr College, or of any other college of good standing.

The Susan B. Anthony Memorial Scholarship in Social Economy and Social Research or in Politics, founded in 1910, of the value of four hundred dollars, is open to the candidate wishing to devote herself to studies dealing with the position of women in industry and politics, whose work gives most promise of success in this field.

***Scholar-  
ships for  
British,  
German,  
French,  
Scandinavian,  
and  
Swiss  
Women.***

Ten graduate scholarships of the value of four hundred and five dollars each were founded in 1909, and two additional scholarships were founded in 1913, and will be awarded in 1916, four for English, Scotch, or Irish women, three for German women, three for French women, one for Scandinavian, and one for Swiss women. They are open for competition to all women of the prescribed nationality whose academic work has reached a standard equivalent to that denoted by the

\*The term fellowship is used here because adopted by the College Settlement Association. The condition of one year's graduate study required of candidates for Bryn Mawr College resident fellowships does not apply.



Bachelor's degree of any American college or university of acknowledged standing. The amount of the scholarship, four hundred and five dollars, covers the fees for tuition, board, residence, including light, heat, and service, and infirmary care for the academic year. A furnished single room in the graduate wing of one of the halls of residence is assigned to each scholar, but this is not available in the Christmas and Easter vacations when scholars who remain at the college have to pay the expenses of board and residence, see page 188.

Scholars are expected to reside in the college, to attend all college functions, to wear academic dress and to assist in the conduct of examinations. It is understood that they will uphold the college standards of scholarship and conduct and give loyal support to the Students' Association for Self-Government.

*Duties of  
Resident  
Scholars.*

Application for resident fellowships or scholarships should be made to the President of the College on a form obtained from the President's office, as early as possible, and not later than the fifteenth\* of April preceding the academic year for which the fellowship or scholarship is desired. A definite answer will be given within two weeks from the latest date set for receiving applications. Any original papers, printed or in manuscript, which have been prepared by the applicant and sent in support of her application will be returned when stamps for that purpose are enclosed, or specific directions for return by express are given. Letters or testimonials will be filed for reference.

*Applications  
for Resident  
Fellowships  
and  
Scholarships.*

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\* Applications for the Scholarships open to British, French, Swiss and Scandinavian women must be received by May the first, they should be accompanied by full particulars of the candidate's academic work, by diplomas or certificates and by letters of recommendation from professors and should be addressed to the President of Bryn Mawr College, Bryn Mawr, Pennsylvania, U. S. A. In the case of German candidates application should be addressed to Seiner Excellenz dem Herrn Staatssekretär des Innern, Reichsamt des Innern, Berlin, Germany, before April the first.



## LIST OF DISSERTATIONS

PUBLISHED BY STUDENTS WHO HAVE OBTAINED THE DEGREE OF  
DOCTOR OF PHILOSOPHY FROM BRYN MAWR COLLEGE.

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- BLISS, ELEANORA FRANCES AND ANNA I. JONAS. Relation of the Wissahickon Mica-gneiss to the Shenandoah Limestone and to the Octopore Mica-schist, of the Doe Run-Avondale District, Coatesville, Quadrangle, Pennsylvania. 64 p., O. February, 1914.
- BORING, ALICE MIDDLETON. A Study of the Spermatogenesis of Twenty-two Species of the Membracidae, Jassidae, Cercopidae and Fulgoridae. p. 470-512, O. 9 pl. Baltimore, 1907.  
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- BUNTING, MARTHA. The Origin of the Sex Cells in Hydraetina and Podocoryne and the Development of Hydraetina. 34 p., O. Boston. Ginn and Company. 1894.  
Revised reprint from *Journal of Morphology*, vol. 9, No. 2.
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EMERY,\* ANNIE CROSBY. *The Historical Present in Early Latin.* 120+[3] p., O. Ellsworth, Maine, Hancock Publishing Company. 1897.

EVERS, HELEN MARGARET. *Critical edition of the discours de la vie de Pierre de Ronsard, par Claude Binet.* iv+190 p., O. Philadelphia, The John C. Winston Co. 1905.

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FAHNESTOCK, EDITH. *A Study of the Sources and Composition of the Old French Lai D'Haveloc.* 138 p., O. The Marion Press, Jamaica, Queensborough, New York. 1915.

FOSTER, FRANCES ALLEN. *A study of the Middle-English poem known as The Northern Passion.* vi+101 p., O. Richard Clay & Sons, Ltd. London and Bungay. 1914.

Reprint from *The Northern Passion*, vol. II. *Early English Text Society, Original Series*, 147, 1914 (for 1913).

FRANKLIN, SUSAN BRALEY. *Traces of Epic Influence in the Tragedies of Æschylus.* 81 p., O. Baltimore, The Friedenwald Company. 1895.

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\* Mrs. Francis Greenleaf Allinson.

- GENTRY, RUTH. On the Forms of Plane Quartic Curves. 171 + 73 p., O. 13 pl. New York, Robert Drummond. 1896.
- GIBBONS, VERNETTE LOIS. The Potentials of Silver in Non-aqueous Solutions of Silver Nitrate. 32 p., O. Eschenbach Printing Co., Easton, Pa. 1914.
- GRAHAM, MINNIE ALMIRA. A Study of the Change from Violet to Green in Solutions of Chromium Sulphate. 50 p., O. pl. 3. Easton, Pennsylvania, printed by the Eschenbach Printing Company. 1912.
- HALL, EDITH HAYWARD.\* The Decorative Art of Crete in the Bronze Age. 47 p., 3 pl., Qto. Philadelphia, The John C. Winston Co. 1907.  
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- HARMON, ESTHER. Johanna Schopenhauer. 115 p., O. Munich, Printed by Kastner and Callwey. 1914.
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Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. v.

\* Mrs. Joseph M. Dohan.

† Mrs. S. Prioleau-Ravenel.

- LORD, ELEANOR LOUISA. The American Colonies as a Source of Naval Supplies for Great Britain. Published as Industrial experiments in the British colonies of North America. 10+154 p., O. *Johns Hopkins University Studies*, volume, 17. Baltimore, 1898.
- LOWATER, FRANCES. The Spectra of Sulphur Dioxide. p. 324-342, O. Reprint from the *Astrophysical Journal*, vol. 23, No. 4. May, 1906.
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- PARRIS,† MARION. Total Utility and the Economic Judgment Compared with their Ethical Counterparts. 103 p., O. Philadelphia, The John C. Winston Co. 1909.
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\* Mrs. Emmons Bryant.

† Mrs. William Roy Smith.



- PEEBLES, ROSE JEFFRIES. The Legend of Longinus in Ecclesiastical Tradition and in English Literature and its connection with the Grail. 221 p., O. Baltimore, printed by J. H. Furst Co. 1911.  
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- RAGSDALE, VIRGINIA. On the Arrangement of the Real Branches of Plane Algebraic Curves. 28 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1906.  
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- RITCHIE,‡ MARY HELEN. A Study of Conditional and Temporal Clauses in Pliny the Younger. 57+[1] p., O. Philadelphia, Avil Printing Company. 1902.
- ROE,§ ADAH BLANCHE. Anna Owena Hoyers, a poetess of the seventeenth century. 128 p., O. Bryn Mawr, Pennsylvania. 1915.  
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\* Mrs. Eric C. W. S. Lyders.

† Mrs. Winthrop Merton Rice.

‡ Died, 1905.

§ Mrs. Herman Lommel.

|| Mrs. William Bashford Huff. Died, 1913.

- SCHMIDT, GERTRUD CHARLOTTE. Das Deminutivum im Mittelniederdeutschen und Mittelniederländischen. 157+[ix] p., O. Borna-Leipzig. Printed by Robert Noske. 1912.
- SHEARER, EDNA ASTON. Hume's Place in Ethics. 86 p., O. Bryn Mawr, Pennsylvania. 1915.  
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- SPALDING, MARY CAROLINE. Middle English Charters of Christ. cxxiv+100 p., O. Bryn Mawr, Pennsylvania. 1914.  
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- STITES, SARA HENRY. Economics of the Iroquois. 159+vii p., O. Lancaster, Pa., The New Era Printing Co. 1905.  
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- SWEET, MARGUERITE. The Third Class of Weak Verbs in Primitive Teutonic with special reference to its Development in Anglo-Saxon. 49+[1] p., O. Baltimore, The Friedenwald Company. 1893.
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- WARREN,‡ WINIFRED. A Study of Conjunctive Temporal Clauses in Thucydides. 76+[3] p., O. Berlin, printed by Unger Brothers. 1897.
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- WILLIS, GWENDOLEN BROWN. The Ancient Gods in Greek Romance. 54 p., O. Chicago, University of Chicago Press, 1905.

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\* Died, 1912.    † Mrs. Lewis Albert Anderson.    ‡ Mrs. George Arthur Wilson.

# SCHEDULE OF LECTURE

| Hour | COURSE        | MONDAY   | TUESDAY  |
|------|---------------|--|--|
| 9    | MATRICULATION | Greek (Kirk)<br>German (Jeffers)<br>French (Thayer)  | Greek (Kirk)<br>German (Jeffers)<br>French (Thayer)  |
|      | GENERAL       | Philosophy, Div. A (Theodore de Laguna)<br>Div. B (Grace de Laguna)<br>Div. C (Avey)   | Philosophy, Div. A (Theodore de Laguna)<br>Div. B (Grace de Laguna)<br>Div. C (Avey)   |
|      | MINOR         | Greek, Plato (Sanders)<br>French Reading (Vatar)<br>Economics, Introduction to Economics,<br>Div. A (Marion P. Smith)<br>Div. B ( )<br>Ancient Architecture (Carpenter)<br>Mathematics, Conics (Scott)<br>Chemistry (Brunel) | Greek, Homer (Wright)<br>French 19th Century Literature ( )<br>Economics, Introduction to Economics,<br>Div. A (Marion P. Smith)<br>Div. B ( )<br>Hellenistic Towns (Carpenter)<br>Mathematics, Trigonometry ( )<br>Chemistry (Brunel) |
|      | MAJOR         | German Literature (Jessen)<br>Fifth Century Athens (Ferguson)<br>Psychology, Social Psychology (Leuba)   | German, Faust (Jessen)<br>Psychology, Social Psychology (Leuba)<br>Historical Development of Psychology ( )  |
|      | ELECTIVE      | Biology, Theoretical (Tennent)   |  |
|      | POST-MAJOR    | Inorganic Chemistry (Crenshaw)   |  |
| 10   | GRADUATE      | Physics (Huff)<br>Geology (T. C. Brown)  | Geology (T. C. Brown)  |
|      | GENERAL       | English Literature, 2nd year (Donnelly)  | English Literature, 2nd year (Donnelly)  |
|      | MINOR         | English, Middle English Romances<br>English, 19th Century Critics (Chew)<br>German Grammar<br>Spanish (DeHaan)<br>History of Europe, Div. A (Gray)<br>Div. B (Leake)<br>Biology (Tennent)                                    | English, Middle English Romances<br>English, 19th Century Critics (Chew)<br>German Literature (Jessen)<br>Spanish (DeHaan)<br>History of Europe, Div. A (Gray)<br>Div. B (Leake)<br>Biology (Tennent)                                  |
|      | MAJOR         | Philosophy, Kant to Spencer (Avey)<br>17th and 18th Cent. Painting (Parkhurst)<br>Geology (T. C. Brown)  | Philosophy, Kant to Spencer (Avey)<br>Renaissance Sculpture (G. G. King)<br>Geology (T. C. Brown)  |
|      | ELECTIVE      |  | German Advanced Composition ( )  |
|      | POST-MAJOR    | Physics (Barnes)<br>Chemistry (Brunel)   | Astrophysics (Barnes)<br>Physical Chemistry (Crenshaw)<br>Mental Tests (Rand), 10-12   |
| 11   | GRADUATE      |  |  |
|      | GENERAL       | English Composition, 1st year (Savage)   | English Composition, 1st year (Savage)   |
|      | MINOR         | Italian (Vatar)<br>Ancient History, Oriental (Barton)<br>Philosophy, History of (T. de Laguna)<br>Greek Sculpture (Carpenter)  | Italian (Vatar)<br>Ancient History, Classical (Ferguson)<br>Philosophy, History of (T. de Laguna)<br>Ancient Painting (Swindler)   |
|      | MAJOR         | Latin, Tacitus (Wheeler)<br>Spanish Reading (DeHaan)<br>History, French Revolution (Leake)<br>Physics (Barnes)<br>Chemistry (Crenshaw)   | Latin Literature (Ruth)<br>Spanish Literature (DeHaan)<br>History, French Revolution (Leake)<br>Physics (Barnes)<br>Chemistry (Crenshaw)   |
|      | ELECTIVE      | Private Law (Fenwick)  | Descriptive Astronomy (Hazlett)  |
|      | POST-MAJOR    | Minerology (Bascom)  | Invertebrate Paleontology (T. C. Brown)  |
| 12   | GRADUATE      | Systematic Psychology (Ferree)   |  |
|      | MINOR         | Latin, Cicero, Div. A (Wheeler)<br>Div. B (Ferguson)<br>Div. C (Swindler)<br>Italian<br>Psychology, Experimental (Ferree and Rand)<br>Italian Renaissance Painting (G. G. King)<br>Physics (Huff)<br>Geology (Bascom)        | Latin, Horace, Div. A (Ruth)<br>Div. B (Swindler)<br>Div. C (Ferguson)<br>Italian<br>Psychology, Experimental (Ferree and Rand)<br>Gothic Architecture (G. G. King)<br>Physics (Huff)<br>Geology (Bascom)                              |
|      | MAJOR         | Greek, Demosthenes (Sanders)<br>English Drama (Chew)<br>French Literature (Vatar)<br>Politics, Present Problems (Fenwick)<br>Mathematics (Hazlett)<br>Biology  | Greek Literature (Wright)<br>English Drama (Chew)<br>French Romantic Drama (Schubert)<br>Politics, Present Problems (Fenwick)<br>Mathematics (Hazlett)<br>Biology  |
|      | ELECTIVE      |  | History, U. S. from 1865 (W. L. G. )   |
|      | GRADUATE      | Chemistry (Brunel)   | Chemistry (Brunel)   |



# 1ST SEMESTER, 1916-17.

| WEDNESDAY  | THURSDAY  | FRIDAY  |
|--|---|---|
| <p>Greek (Kirk)<br/>German (Jeffers)<br/>French (Thayer)</p> <p>Philosophy, Div. A (Theodore de Laguna)<br/>Div. B (Grace de Laguna)<br/>Div. C (Avey)</p> <p>Plato (Sanders)<br/>Phonetics (Thayer)<br/>Economics, Introduction to<br/>Div. A (Marion P. Smith)<br/>Div. B<br/>Ancient Architecture (Carpenter)<br/>Mathematics, Conics (Scott)<br/>Chemistry (Brunel)</p> <p>Composition and Reading<br/>19th Century Athens (Ferguson)<br/>Psychology, Social Psychology (Leuba)</p> <p>Bascom)</p> <p>Chemistry</p> <p>Huff)</p> | <p>Greek (Kirk)<br/>German (Jeffers)<br/>French (Thayer)</p> <p>Philosophy, Div. A (Theodore de Laguna)<br/>Div. B (Grace de Laguna)<br/>Div. C (Avey)</p> <p>Greek, Homer (Wright)<br/>French, 19th Century Literature (Beck)<br/>Economics, Introduction to<br/>Div. A (Marion P. Smith)<br/>Div. B (—————)<br/>Hellenistic Towns (Carpenter)<br/>Mathematics, Trigonometry (Scott)<br/>Chemistry, Demonstration (Brunel)</p> <p>German, Faust (Jessen)</p> <p>Psychology, Social Psychology (Leuba)</p> <p>Physics Journal Club (Huff and Barnes)<br/>Geology (T. C. Brown)<br/>Biology Journal Club (Tennent)</p> <p>English Literature, 2nd year (Donnelly)</p> <p>English, Middle English Romances<br/>English, 19th Century Critics (Chew)<br/>German Literature (Jessen)<br/>Spanish (DeHaan)<br/>History of Europe, Div. A (Gray)<br/>Div. B (Leake)<br/>Biology, Demonstration (Tennent)</p> <p>Philosophy, Kant to Spencer (Avey)<br/>Renaissance Sculpture (G. G. King)<br/>Geology Laboratory (T. C. Brown)</p> <p>Astrophysics (Barnes)<br/>Physical Chemistry (Crenshaw)</p> | <p>Greek (Kirk)<br/>German (Jeffers)<br/>French (Thayer)</p> <p>Philosophy, Div. A (Theodore de Laguna)<br/>Div. B (Grace de Laguna)<br/>Div. C (Avey)</p> <p>Greek, Sophocles (Sanders)<br/>French Composition (Vatar)<br/>Economics, Introduction to<br/>Div. A (Marion P. Smith)<br/>Div. B (—————)<br/>Ancient Architecture (Carpenter)<br/>Mathematics, Conics (Scott)<br/>Chemistry (Brunel)</p> <p>German Literature (Jessen)<br/>Fifth Century Athens (Ferguson)<br/>Psychology, Social Psychology (Leuba)</p> <p>Old Testament Canon (Barton)<br/>Meteorology (T. C. Brown)</p> <p>Physics (Huff)</p> <p>English Literature, 2nd year (Donnelly)</p> <p>English, Middle English Romances<br/>English, 19th Century Critics (Chew)<br/>German Reading<br/>Spanish (DeHaan)<br/>History of Europe, Div. A (Gray)<br/>Div. B (Leake)<br/>Biology (Tennent)</p> <p>Philosophy, Kant to Spencer (Avey)<br/>17th and 18th Cent. Painting (Parkhurst)<br/>Geology Laboratory (T. C. Brown)</p> <p>Physics (Barnes)<br/>Chemistry (Brunel)</p> |
| <p>English Literature, 2nd year (Donnelly)</p> <p>Middle English Romances<br/>19th Century Critics (Chew)<br/>Reading<br/>De Haan)<br/>History of Europe, Div. A. (Gray)<br/>Div. B (Leake)<br/>Biology (Tennent)</p> <p>Philosophy, Kant to Spencer (Avey)<br/>17th and 18th Cent. Painting (Parkhurst)<br/>Geology Laboratory (T. C. Brown)</p> <p>Mathematics (Scott)</p> <p>Barnes)<br/>Brunel)</p>  | <p>English Literature, 2nd year (Donnelly)</p> <p>English, Middle English Romances<br/>English, 19th Century Critics (Chew)<br/>German Literature (Jessen)<br/>Spanish (DeHaan)<br/>History of Europe, Div. A (Gray)<br/>Div. B (Leake)<br/>Biology, Demonstration (Tennent)</p> <p>Philosophy, Kant to Spencer (Avey)<br/>Renaissance Sculpture (G. G. King)<br/>Geology Laboratory (T. C. Brown)</p> <p>Astrophysics (Barnes)<br/>Physical Chemistry (Crenshaw)</p>   | <p>English Literature, 2nd year (Donnelly)</p> <p>English, Middle English Romances<br/>English, 19th Century Critics (Chew)<br/>German Reading<br/>Spanish (DeHaan)<br/>History of Europe, Div. A (Gray)<br/>Div. B (Leake)<br/>Biology (Tennent)</p> <p>Philosophy, Kant to Spencer (Avey)<br/>17th and 18th Cent. Painting (Parkhurst)<br/>Geology Laboratory (T. C. Brown)</p> <p>Physics (Barnes)<br/>Chemistry (Brunel)</p>  |
| <p>Composition, 1st year (Savage)</p> <p>Vatar)<br/>History, Oriental (Barton)<br/>History of (T. de Laguna)<br/>Sculpture (Carpenter)</p> <p>Tacitus (Wheeler)<br/>Grammar (DeHaan)<br/>History, French Revolution (Leake)<br/>Barnes)<br/>Crenshaw)</p> <p>Statistical and Census Problems</p> <p>Bascom)</p> <p>Systematic Psychology (Ferree)</p>  | <p>English Composition, 1st year (Savage)</p> <p>Italian (Vatar)<br/>Ancient History, Classical (Ferguson)<br/>Philosophy, History of (T. de Laguna)<br/>Ancient Painting (Swindler)</p> <p>Latin Literature (Ruth)<br/>Spanish Literature (De Haan)<br/>History, French Revolution (Leake)<br/>Physics Laboratory (Barnes)<br/>Chemistry Laboratory (Crenshaw)</p> <p>Descriptive Astronomy (Hazlett)</p> <p>Invertebrate Palaeontology (T. C. Brown)</p>  | <p>English Composition, 1st year (Savage)</p> <p>Italian (Vatar)<br/>Ancient History, Oriental (Barton)<br/>Philosophy, History of (T. de Laguna)<br/>Greek Sculpture (Carpenter)</p> <p>Latin, Tacitus (Wheeler)<br/>Spanish Reading (DeHaan)<br/>History, French Revolution (Leake)<br/>Physics Laboratory (Barnes)<br/>Chemistry Laboratory (Crenshaw)</p> <p>Mineralogy (Bascom)</p> <p>Systematic Psychology (Ferree)</p>  |
| <p>Latin, Cicero, Div. A (Wheeler)<br/>Div. B (Ferguson)<br/>Div. C (Swindler)</p> <p>Psychology, Experimental (Ferree and Rand)<br/>Renaissance Painting (G. G. King)<br/>Huff)<br/>Bascom)</p> <p>Aristophanes (Sanders)<br/>Drama (Chew)<br/>Greek and Composition (Thayer)<br/>Present Problems (Fenwick)<br/>Mathematics (Hazlett)</p> <p>Chemistry (Crenshaw)</p>  | <p>Latin, Horace, Div. A (Ruth)<br/>Div. B (Swindler)<br/>Div. C (Ferguson)</p> <p>Psychology, Experimental (Ferree and Rand)<br/>Gothic Architecture (G. G. King)<br/>Physics, Demonstration (Huff)<br/>Geology, Demonstration (Bascom)</p> <p>Greek Literature (Wright)<br/>English Drama (Chew)<br/>French Romantic Drama (Schenck)<br/>Politics, Present Problems (Fenwick)<br/>Mathematics (Hazlett)<br/>Biology</p> <p>History, U. S. from 1865 (W. R. Smith)</p> <p>Chemistry Journal Club (Brunel, Crenshaw)</p>  | <p>Latin, Cicero, Div. A (Wheeler)<br/>Div. B (Ferguson)<br/>Div. C (Swindler)</p> <p>Psychology, Experimental (Ferree and Rand)<br/>Italian Renaissance Painting (G. G. King)<br/>Physics (Huff)<br/>Geology (Bascom)</p> <p>Greek, Demosthenes (Sanders)<br/>English Drama (Chew)<br/>French Literature (Vatar)<br/>Politics, Present Problems (Fenwick)<br/>Mathematics (Hazlett)<br/>Biology</p> <p>Physical Chemistry (Crenshaw)</p>   |



# SCHEDULE OF LECTURES

| Hour | Course          | Monday  | Tuesday   |
|------|-----------------|---|---|
| 2    | LABORATORY WORK | Psychology, Minor (Ferree and Rand)<br>Physics, Minor (Huff)<br>Chemistry, Minor (Brunel)<br>Geology, Minor, Field Work (Bascom)<br>Biology, Minor (Tennent)  | Psychology, Minor (Ferree and Rand)<br>Physics, Minor (Huff)<br>Chemistry, Minor (Brunel)<br>Geology, Minor (Bascom)<br>Biology, Minor (Tennent)  |
|      | ELECTIVE        | Technique of the Drama (Savage)<br>New Testament Biography (Barton)   | Technique of the Drama (Savage)<br>New Testament Biography (Barton)   |
|      | POST-MAJOR      | Greek Attic Orators (Sanders)   | Greek, Attic Orators (Sanders)  |
|      |                 | French, Rabelais (Beck)<br>Economics and Politics, American Social Problems (Marion P. Smith)<br>Mathematics (Scott)  | French, Rabelais (Beck)<br>Economics and Politics, American Social Problems (Marion P. Smith)<br>Mathematics (Scott)  |
|      | GRADUATE        | Beowulf, 2.30-4.30<br><br>Social Treatment (Kellogg)  | Seminary in English Literature, 2-4<br><br>Social Treatment (Kellogg)   |
| 3    | LABORATORY WORK | Psychology, Minor (Ferree and Rand)<br>Physics, Minor (Huff)<br>Chemistry, Minor (Brunel)<br>Geology, Minor, Field Work (Bascom)<br>Biology, Minor (Tennent)  | Psychology, Minor (Ferree and Rand)<br>Physics, Minor (Huff)<br>Chemistry, Minor (Brunel)<br>Geology, Minor (Bascom)<br>Biology, Minor (Tennent)  |
|      | ELECTIVE        | Elocution, Reading of Prose (A. S. King)<br>Education (Kellogg)   | Elocution, Reading of Prose (A. S. King)<br>Education (Kellogg)<br>Advanced Experimental Psychology   |
|      | POST-MAJOR      | Latin, Vergil (Ruth)<br>History, American Constitutional (William R. Smith)<br>Social Statistics (Kingsbury)  | Latin, Vergil (Ruth)<br>History, American Constitutional (William R. Smith)<br>Social Statistics (Kingsbury)<br>Mathematics (Hazlett)   |
|      | GRADUATE        | Teutonic Seminary, 3-5<br>Foundations of French Grammar (Beck)<br>Elementary Semitic Languages (Barton)<br>Psychology Journal Club (Leuba, Ferree and Rand)<br>Seminary in Modern Painting (G. G. King), 2-4  | Greek Seminary, Greek History, 3-4.30<br>Old Norse<br>Spanish Philology (De Haan)<br>Egyptian (Barton)  |
| 4    | GRADUATE        | Latin Seminary, Literature (Ruth), 4-6<br>Seminary in Mediæval French Literature (Beck), 4.30-6<br>Hebrew Literature (Barton)<br>History Journal Club (Gray, William R. Smith and Leake), 4-6. Alternate Weeks<br>Economics Journal Club (Marion P. Smith, Fenwick, and Kingsbury), 4-6. Alternate Weeks<br>Seminary in Social Economy (Kingsbury), 4-6. Alternate Weeks<br>Psychology Seminary (Leuba), 4-6<br>Mathematics (Hazlett), 4-6<br>Seminary in Zoology (Tennent), 4.30-6 | Greek Journal Club (Sanders), 4.30-6. Alternate Weeks<br>Latin Journal Club (Weeks), 4.30-6. Alternate Weeks<br>Middle English Seminary (4.30-6)<br>German Journal Club (Jensen), 4.30-6. Alternate Weeks<br>Seminary in European History<br>Seminary in Politics (Fenwick)<br>Seminary in Social Theory<br>Seminary in Logic (Thurston), 4-6<br>Seminary in Principles and Methods of Education (Castro), 4.30-6<br>Mathematical Journal Club (Hazlett). Alternate Weeks |
| 5    | GRADUATE        | Introduction to Teutonic Philology<br>Spanish Seminary (De Haan)  |   |

# RT SEMESTER, 1916-17 (continued).

| WEDNESDAY  | THURSDAY  | FRIDAY   |
|--|---|--|
| <p>Painting (G. G. King)</p> <p>Shoales (Sanders)<br/>Composition (Ruth)<br/>Reading (Jessen)<br/>Abelans (Beck)<br/>Economics and Politics, American Social<br/>P. Smith)<br/>Embryology (Tennent)</p> <p>Historical Grammar 2-4</p> <p>Philology (Beck), 2-4<br/>Treatment (Kellogg)<br/>in Social Psychology (Leuba), 2-4</p> | <p>Physics, Major (Barnes)<br/>Chemistry, Major (Crenshaw)<br/>Geology, Major (T. C. Brown)<br/>Biology, Major</p> <p>Modern Painting (G. G. King)</p> <p>Greek, Melic Poets (Wright)</p> <p>German Literature (Jessen)<br/>French, Lyric Poetry (Vatar)<br/>Economics and Politics, International Law<br/>(Fenwick)</p> <p>Seminary in French Literature (Schenck),<br/>2.30-4.30<br/>Seminary in European History (Gray)<br/>Aegean Archæology (Swindler)</p> | <p>Physics, Major (Barnes)<br/>Chemistry, Major (Crenshaw)<br/>Geology, Major (T. C. Brown)<br/>Biology, Major</p> <p>Modern Painting (G. G. King)</p> <p>German Literature (Jessen)<br/>French, Lyric Poetry (Vatar)<br/>Economic and Politics, International Law<br/>(Fenwick)</p> <p>Greek Seminary, Aristophanes (Wright), 2-4<br/>Advanced French Philology (Beck)</p>  |
| <p>ation (Crandall)<br/>onetics (Thayer)</p> <p>elic Poets (Wright)<br/>rgil (Ruth)<br/>England under the Tudors (Gray)<br/>atics (Hazlett)<br/>Nervous System</p> <p>Metrics (Jessen)</p> <p>ament Greek Seminary (Barton)<br/>in Politics (Fenwick)</p>  | <p>Physics, Major (Barnes)<br/>Chemistry, Major (Crenshaw)<br/>Geology, Major (T. C. Brown)<br/>Biology, Major</p> <p>Intermediate Composition (Crandall)</p> <p>Roman Elegy (Wheeler)</p> <p>History, England under the Tudors (Gray)</p> <p>Greek Seminary, Greek Historians (Sanders),<br/>3-4.30<br/>Comp. Teutonic Grammar<br/>Hebrew (Barton)<br/>Philosophical Journal Club ((Theodore de<br/>Laguna, Grace de Laguna, and Avey),<br/>3-4.30</p>         | <p>Physics, Major (Barnes)<br/>Chemistry, Major (Crenshaw)<br/>Geology, Major (T. C. Brown)<br/>Biology, Major</p> <p>Roman Elegy (Wheeler)</p> <p>History, England under the Tudors (Gray)</p> <p>English Journal Club (Donnelly, Chew, Sav-<br/>age), 3-4.30. Alternate Weeks<br/>Old Norse<br/>Romance Languages Journal Club (De<br/>Haan, Beck, and Schenck), 3-4.30.<br/>Alternate Weeks<br/>Archæological Journal Club (Carpenter,<br/>Swindler), 3-4.30. Alternate Weeks</p> |
| <p>Seminary, Latin Lyric (Wheeler),</p> <p>High German<br/>in Mediaeval French Literature<br/>4.30-6<br/>Seminary, 4-6<br/>in American History (William R.<br/>4-6<br/>in Social Economy (Kingsbury),</p> <p>in Petrology (Bascom), 4.30-6<br/>in Zoology (Tennent), 4.30-6</p>  | <p>Middle English Seminary, 4.30-6</p> <p>Seminary in German Literature (Jessen),<br/>4-6<br/>Middle Low German<br/>Semitic Seminary (Barton)<br/>Seminary in Ancient History (Ferguson), 4-6<br/>Seminary in Principles and Methods of<br/>Education (Castro), 4.30-6<br/>Journal Club in History of Art (G. G. King),<br/>4.30-6. Alternate Weeks<br/>Mathematics (Scott), 4-6<br/>Seminary in Physiology, 4-6</p>  | <p>Latin Seminary, Latin Lyric (Wheeler),<br/>4.30-6<br/>Middle High German</p> <p>Semitic Seminary (Barton)<br/>Seminary in Economics (Marion P. Smith),<br/>4-6<br/>Seminary in History of Philosophy (Avey),<br/>4-6<br/>Education Journal Club (Castro), 4.30-6<br/>Seminary in Petrology (Bascom), 4.30-6</p>   |
| <p>German<br/>Seminary (DeHaan)</p>  | <p>Gothic<br/>Spanish Seminary (DeHaan)<br/>Geology Journal Club (Bascom and T. C.<br/>Brown)</p>   | <p>Old High German<br/>Spanish Philology (DeHaan)</p>  |

# SCHEDULE OF LECTURES

| Hour | Course        | Monday  | Tuesday  |
|------|---------------|---|--|
| 9    | MATRICULATION | Greek (Kirk)<br>German (Jeffers)<br>French (Thayer)   | Greek (Kirk)<br>German (Jeffers)<br>French (Thayer)  |
|      | GENERAL       | Psychology, Div. A (Leuba)<br>Div. B (Avey)   | Psychology, Div. A (Leuba)<br>Div. B (Avey)  |
|      | MINOR         | Greek, Euripides (Sanders)<br>French Reading (Vatar)<br>Introduction to Government and Politics,<br>Div. A (Fenwick)<br>Div. B (Leake)<br>Ancient Architecture (Carpenter)<br>Mathematics, Calculus (Hazlett)<br>Chemistry (Crenshaw) | Greek, Homer (Wright)<br>French, 19th Century Literature<br>Introduction to Government and Politics,<br>Div. A (Fenwick)<br>Div. B (Leake)<br>Ancient Rome (Swindler)<br>Mathematics, Algebra (Hazlett)<br>Chemistry Laboratory (Crenshaw) |
|      | MAJOR         | German Literature (Jessen)<br>Ancient History, Roman Empire (Ferguson)<br>Psychology, Applied (Rand)  | German, Faust (Jessen)<br>Psychology, Applied (Rand)   |
|      | ELECTIVE      | Biology, Theoretical (Tennent)  | Historical Development of Psychology   |
|      | POST-MAJOR    | Inorganic Chemistry (Crenshaw)  |  |
|      | GRADUATE      | Physics (Huff)<br>Geology (T. C. Brown)   | Geology (T. C. Brown)  |
| 10   | GENERAL       | English Composition, 2nd year (Savage)  | English Composition, 2nd year (Savage)   |
|      | MINOR         | English Poetry, 1850-1914 (Chew)<br>German Grammar<br>Spanish (DeHaan)<br>History of the Reformation (W. R. Smith)<br>History of the Middle Ages (Leake)<br>Biology   | English Poetry, 1850-1914 (Chew)<br>German Literature (Jessen)<br>Spanish (DeHaan)<br>History of the Reformation (W. R. Smith)<br>History of the Middle Ages (Leake)<br>Biology Laboratory   |
|      | MAJOR         | Philosophy Ethics (T. de Laguna)<br>17th and 18th Century Painting (Parkhurst)<br>Geology (Bascom)  | Philosophy, Ethics (T. de Laguna)<br>Renaissance Sculpture (G. G. King)<br>Geology (Bascom)  |
|      | ELECTIVE      |   | German, Advanced Composition   |
|      | POST-MAJOR    | Physics (Barnes)<br>Chemistry (Brunel)  | Astrophysics (Barnes)<br>Physical Chemistry (Crenshaw)   |
|      | GRADUATE      |   | Mental Tests (Rand), 10-12   |
| 11   | GENERAL       | English Literature, 1st year (Donnelly)   | English Literature, 1st year (Donnelly)  |
|      | MINOR         | Italian (Vatar)<br>Ancient History, Oriental (Barton)<br>Recent Philosophical Tendencies (G. de Laguna)<br>Greek Sculpture (Carpenter)  | Italian (Vatar)<br>Ancient History, Classical (Ferguson)<br>Recent Philosophical Tendencies (G. de Laguna)<br>Archæology, Minor Arts (Carpenter)   |
|      | MAJOR         | Latin Comedy (Wheeler)<br>Spanish Reading (DeHaan)<br>History of the Renaissance (Gray)<br>History, British Imperialism (W. R. Smith)<br>Physics (Huff)<br>Chemistry (Brunel)   | Latin Literature (Ruth)<br>Spanish Literature (DeHaan)<br>History of the Renaissance (Gray)<br>History, British Imperialism (W. R. Smith)<br>Physics (Huff)<br>Chemistry (Brunel)  |
|      | ELECTIVE      | Private Law (Fenwick)   | Descriptive Astronomy (Hazlett)  |
|      | POST-MAJOR    | Mineralogy (Bascom)   | Invertebrate Palæontology (T. C. Brown)  |
|      | GRADUATE      | Systematic Psychology (Ferree)  |  |
|      |               |   |  |
| 12   | MINOR         | Latin, Terence, Div. C (Wheeler)<br>Div. A (Ferguson)<br>Div. B (Swindler)<br>Psychology of Instinct and Emotion (Leuba)<br>Italian Renaissance Painting (G. G. King)<br>Physics (Barnes)<br>Geology (T. C. Brown)                    | Latin, Horace, Div. B (Ruth)<br>Div. A (Swindler)<br>Div. C (Ferguson)<br>Psychology of Instinct and Emotion (Leuba)<br>Gothic Architecture (G. G. King)<br>Physics Laboratory (Barnes)<br>Geology Laboratory (T. C. Brown)                |
|      | MAJOR         | Greek, Thucydides (Sanders)<br>Shakespeare<br>English, 19th Century Fiction (Savage)<br>French Literature (Vatar)<br>Econ., Hist. of Econ. Thought (M. P. Smith)<br>Mathematics (Scott)<br>Biology (Tennent)                          | Greek Literature (Wright)<br>Shakespeare<br>English, 19th Century Fiction (Savage)<br>French Romantic Drama (Schenck)<br>Econ., Hist. of Econ. Thought (M. P. Smith)<br>Mathematics (Scott)<br>Biology (Tennent)                           |
|      | ELECTIVE      |   | History of the U. S. from 1865 to Present  |
|      | GRADUATE      | Chemistry (Brunel)  | Chemistry (Brunel)   |
|      |               |   |  |



# SECOND SEMESTER, 1916-17.

| WEDNESDAY   | THURSDAY   | FRIDAY   |
|---|--|--|
| <p>Greek (Kirk)<br/>German (Jeffers)<br/>French (Thayer)</p> <p>Psychology, Div. A (Leuba)<br/>Div. B (Avey)</p> <p>Greek, Euripides (Sanders)<br/>Phonetics (Thayer)<br/>Introduction to Government and Politics,<br/>Div. A (Fenwick)<br/>Div. B (Leake)<br/>Ancient Architecture (Carpenter)<br/>Mathematics, Calculus (Hazlett)<br/>Chemistry (Crenshaw)</p> <p>Composition and Reading<br/>History, Roman Empire (Ferguson)<br/>Psychology, Applied (Rand)</p> <p>Geology (Bascom)</p> <p>Biochemistry</p> <p>Physics (Huff)</p> <p>English Composition, 2nd year (Savage)</p> <p>English Poetry, 1850-1914 (Chew)<br/>German Reading<br/>Spanish (DeHaan)<br/>History of the Reformation (W. R. Smith)<br/>History of the Middle Ages (Leake)</p> <p>Philosophy, Ethics (T. de Laguna)<br/>17th and 18th Century Painting (Parkhurst)<br/>Geology Laboratory (Bascom)</p> <p>Mathematics (Scott)</p> <p>Physics (Barnes)<br/>Chemistry (Brunel)</p> | <p>Greek (Kirk)<br/>German (Jeffers)<br/>French (Thayer)</p> <p>Psychology, Div. A (Leuba)<br/>Div. B (Avey)</p> <p>Greek, Homer (Wright)<br/>French, 19th Century Literature (Beck)<br/>Introduction to Government and Politics,<br/>Div. A (Fenwick)<br/>Div. B (Leake)<br/>Ancient Rome (Swindler)<br/>Mathematics, Algebra (Hazlett)<br/>Chemistry, Demonstration (Crenshaw)</p> <p>German, Faust (Jessen)</p> <p>Psychology, Applied (Rand)</p> <p>Physics, Journal Club (Huff and Barnes)<br/>Geology (T. C. Brown)<br/>Biology, Journal Club (Tennent)</p> <p>English Composition, 2nd year (Savage)</p> <p>English Poetry, 1850 to 1914 (Chew)<br/>German Literature (Jessen)<br/>Spanish (DeHaan)<br/>History of the Reformation (W. R. Smith)<br/>History of the Middle Ages (Leake)<br/>Biology, Demonstration</p> <p>Philosophy, Ethics (T. de Laguna)<br/>Renaissance Sculpture (G. G. King)<br/>Geology Laboratory (Bascom)</p> <p>Astrophysics (Barnes)<br/>Physical Chemistry (Crenshaw)</p> | <p>Greek (Kirk)<br/>German (Jeffers)<br/>French (Thayer)</p> <p>Psychology, Div. A (Leuba)<br/>Div. B (Avey)</p> <p>Greek, Herodotus (Sanders)<br/>French Composition (Vatar)<br/>Introduction to Government and Politics,<br/>Div. A (Fenwick)<br/>Div. B (Leake)<br/>Ancient Architecture (Carpenter)<br/>Mathematics, Calculus (Hazlett)<br/>Chemistry (Crenshaw)</p> <p>German Literature (Jessen)<br/>Ancient History, Roman Empire (Ferguson)<br/>Psychology, Applied (Rand)</p> <p>Old Testament Canon (Barton)<br/>Meteorology (T. C. Brown)</p> <p>Physics (Huff)</p> <p>English Composition, 2nd year (Savage)</p> <p>English Poetry, 1850 to 1914 (Chew)<br/>German Reading<br/>Spanish (DeHaan)<br/>History of the Reformation (W. R. Smith)<br/>History of the Middle Ages (Leake)<br/>Biology</p> <p>Philosophy, Ethics (T. de Laguna)<br/>17th and 18th Century Painting (Parkhurst)<br/>Geology Laboratory (Bascom)</p> <p>Physics (Barnes)<br/>Chemistry (Brunel)</p> |
| <p>English Literature, 1st year (Donnelly)</p> <p>Italian (Vatar)<br/>Ancient History, Oriental (Barton)<br/>Recent Philosophical Tendencies (G. de Laguna)<br/>Greek Sculpture (Carpenter)</p> <p>Comedy (Wheeler)<br/>Latin Grammar (DeHaan)<br/>History of the Renaissance (Gray)<br/>History, British Imperialism (W. R. Smith)<br/>Physics (Huff)<br/>Chemistry (Brunel)</p> <p>Descriptive Astronomy (Hazlett)</p> <p>Invertebrate Palaeontology (T. C. Brown)</p> <p>Mineralogy (Bascom)</p> <p>Systematic Psychology (Ferree)</p>   | <p>English Literature, 1st year (Donnelly)</p> <p>Italian (Vatar)<br/>Ancient History, Classical (Ferguson)<br/>Recent Philosophical Tendencies (G. de Laguna)<br/>Archæology, Minor Arts (Carpenter)</p> <p>Latin Literature (Ruth)<br/>Spanish Literature (DeHaan)<br/>History of the Renaissance (Gray)<br/>History, British Imperialism (W. R. Smith)<br/>Physics Laboratory (Huff)<br/>Chemistry Laboratory (Brunel)</p> <p>Descriptive Astronomy (Hazlett)</p> <p>Invertebrate Palaeontology (T. C. Brown)</p> <p>Mineralogy (Bascom)</p> <p>Systematic Psychology (Ferree)</p>  | <p>English Literature, 1st year (Donnelly)</p> <p>Italian (Vatar)<br/>Ancient History, Oriental (Barton)<br/>Recent Philosophical Tendencies (G. de Laguna)<br/>Greek Sculpture (Carpenter)</p> <p>Latin Comedy (Wheeler)<br/>Spanish Reading (DeHaan)<br/>History of the Renaissance (Gray)<br/>History, British Imperialism (W. R. Smith)<br/>Physics Laboratory (Huff)<br/>Chemistry Laboratory (Brunel)</p> <p>Mineralogy (Bascom)</p> <p>Systematic Psychology (Ferree)</p>   |
| <p>Latin, Terence, Div. C (Wheeler)<br/>Div. A (Ferguson)<br/>Div. B (Swindler)</p> <p>Psychology of Instinct and Emotion (Leuba)<br/>Italian Renaissance Painting (G. G. King)<br/>Physics (Barnes)<br/>Geology (T. C. Brown)</p> <p>Greek, Sophocles (Sanders)<br/>Shakespeare<br/>English, 19th Century Fiction (Savage)<br/>French Romantic Drama (Schenck)<br/>Econ., Hist. of Econ. Thought (M. P. Smith)<br/>Mathematics (Scott)<br/>Biology Laboratory (Tennent)</p> <p>History of the U. S. from 1865 (W. R. Smith)</p> <p>Chemistry Journal Club (Brunel)</p>   | <p>Latin, Horace, Div. B (Ruth)<br/>Div. A (Swindler)<br/>Div. C (Ferguson)</p> <p>Psychology of Instinct and Emotion (Leuba)<br/>Gothic Architecture (G. G. King)<br/>Physics, Demonstration (Barnes)<br/>Geology, Demonstration (T. C. Brown)</p> <p>Greek Literature (Wright)<br/>Shakespeare<br/>English, 19th Century Fiction (Savage)<br/>French Romantic Drama (Schenck)<br/>Econ., Hist. of Econ. Thought (M. P. Smith)<br/>Mathematics (Scott)<br/>Biology Laboratory (Tennent)</p> <p>History of the U. S. from 1865 (W. R. Smith)</p> <p>Chemistry Journal Club (Brunel)</p>  | <p>Latin, Terence, Div. C (Wheeler)<br/>Div. A (Ferguson)<br/>Div. B (Swindler)</p> <p>Psychology of Instinct and Emotion (Leuba)<br/>Italian Renaissance Painting (G. G. King)<br/>Physics (Barnes)<br/>Geology (T. C. Brown)</p> <p>Greek, Thucydides (Sanders)<br/>Shakespeare<br/>English, 19th Century Fiction (Savage)<br/>French Literature (Vatar)<br/>Econ., Hist. of Econ. Thought (M. P. Smith)<br/>Mathematics (Scott)<br/>Biology Laboratory (Tennent)</p> <p>Physical Chemistry (Crenshaw)</p>   |



# SCHEDULE OF LECTURES

| Hour | Course          | Monday  | Tuesday   |
|------|-----------------|---|---|
| 2    | LABORATORY WORK | Physics, Minor (Barnes)<br>Chemistry, Minor (Crenshaw)<br>Geology, Minor, Field Work (T. C. Brown)<br>Biology, Minor  | Physics, Minor (Barnes)<br>Chemistry, Minor (Crenshaw)<br>Geology, Minor (T. C. Brown)<br>Biology, Minor  |
|      | ELECTIVE        | Technique of the Drama (Savage)<br>New Testament Biography (Barton)   | Technique of the Drama (Savage)<br>New Testament Biography (Barton)   |
|      | POST-MAJOR      | Greek, Aeschylus (Sanders)<br>French, Rabelais (Beck)   | Greek, Aeschylus (Sanders)<br>French, Rabelais (Beck)   |
|      |                 | Economics and Politics, American Social Problems (Marion P. Smith)<br>Mathematics (Scott)   | Economics and Politics, American Social Problems (Marion P. Smith)<br>Mathematics (Scott)   |
|      | GRADUATE        | Beowulf 2.30-4.30<br><br>Social Treatment (Kellogg)   | Seminary in English Literature (Dane)<br>2-4<br><br>Social Treatment (Kellogg)  |
| 3    | LABORATORY WORK | Physics, Minor (Barnes)<br>Chemistry, Minor (Crenshaw)<br>Geology, Minor, Field Work (T. C. Brown)<br>Biology, Minor  | Physics, Minor (Barnes)<br>Chemistry, Minor (Crenshaw)<br>Geology, Minor (T. C. Brown)<br>Biology, Minor  |
|      | ELECTIVE        | Elocution, Reading of Prose (A. S. King)<br>Education (Kellogg)   | Elocution, Reading of Prose (A. S. King)<br>Advanced Experimental Psychology<br>Education (Kellogg)   |
|      | POST-MAJOR      | Latin, Roman Prose of the Empire (Ruth)<br>History, American Constitutional (William R. Smith)<br>Social Betterment (Kingsbury)   | Latin, Roman Prose of the Empire (Ruth)<br>History, American Constitutional (William R. Smith)<br>Social Betterment (Kingsbury)<br>Mathematics (Hazlett)  |
|      | GRADUATE        | Teutonic Seminary, 3-5<br>Foundations of French Grammar (Beck)<br>Elementary Semitic Languages (Barton)<br>Psychology Journal Club (Leuba, Ferree and Rand)<br>Seminary in Modern Painting (G. G. King), 2-4  | Greek Seminary, Greek Historians (Sanders)<br>Old Norse<br>Spanish Philology (DeHaan)<br>Egyptian (Barton)  |
| 4    | GRADUATE        | Latin Seminary, Literature (Ruth), 4-6<br>Seminary in Mediæval French Literature (Beck), 4.30-6<br>Hebrew Literature (Barton)<br>History Journal Club (Gray, W. R. Smith and Leake), 4-6. Alternate Weeks<br>Economics Journal Club (Marion P. Smith, Fenwick and Kingsbury), 4-6. Alternate Weeks<br>Seminary in Social Economy (Kingsbury), 4-6. Alternate Weeks<br>Psychology Seminary (Leuba), 4-6<br>Mathematics (Hazlett), 4-6<br>Seminary in Zoology (Tennent), 4.30-6 | Greek Journal Club (Sanders and DeHaan), 4.30-6. Alternate Weeks<br>Latin Journal Club (Wheeler and DeHaan), 4.30-6. Alternate Weeks<br>Middle English Seminary 4.30-6<br>German Journal Club (Jensen and DeHaan), 4.30-6. Alternate Weeks<br>Seminary in European History (Gray), 4-6<br>Seminary in Politics (Fenwick), 4-6<br>Seminary in Social Theory (Kellogg), 4-6<br>Seminary in Logic (Theodore de Laet), 4-6<br>Seminary in Principles and Methods of Education (Castro), 4.30-6<br>Mathematical Journal Club (DeHaan and Hazlett). Alternate Weeks |
| 5    | GRADUATE        | Introduction to Teutonic Philology<br>Spanish Seminary (DeHaan)   |   |

# SECOND SEMESTER, 1916-17 (continued).

| WEDNESDAY   | THURSDAY   | FRIDAY   |
|---|--|--|
| Chemistry, Major (Brunel)   | Psychology, Major (Rand)<br>Physics, Major (Huff)<br>Chemistry, Major (Brunel)<br>Geology, Major (Bascom)<br>Biology, Major (Tennent)  | Psychology, Major (Rand)<br>Physics, Major (Huff)<br>Chemistry, Major (Brunel)<br>Geology, Major (Bascom)<br>Biology, Major (Tennent)  |
| Modern Painting (G. G. King)  | Modern Painting (G. G. King)   | Modern Painting (G. G. King)   |
| Greek Prose Composition (Sanders)<br>Latin Composition (Ruth)<br>German Reading (Jessen)<br>Greek Rhetoric (Beck)<br>Economics and Politics, American Social Systems (Marion P. Smith)<br>Astronomy (Crenshaw)<br>Embryology (Tennent)  | Greek, Plato (Wright)<br><br>German Literature (Jessen)<br>French, Lyric Poetry (Vatar)<br>Economics and Politics, International Law (Fenwick)<br><br>Seminary in French Literature (Schenck) 2.30-4.30<br>Seminary in European History (Gray)<br>Ancient Painting (Swindler)  | German Literature (Jessen)<br>French, Lyric Poetry (Vatar)<br>Economics and Politics, International Law (Fenwick)<br><br>Greek Seminary, Aristophanes (Wright), 2-4<br>Advanced French Philology (Beck)  |
| French Philology (Beck), 2-4<br>Archaeological Seminary (Carpenter), 2-4<br>Ancient Treatment (Kellogg)<br>Seminary in Social and Political Philosophy (de Laguna), 2-4   |  |  |
| Chemistry, Major (Brunel)   | Psychology, Major (Rand)<br>Physics, Major (Huff)<br>Chemistry, Major (Brunel)<br>Geology, Major (Bascom)<br>Biology, Major (Tennent)  | Psychology, Major (Rand)<br>Physics, Major (Huff)<br>Chemistry, Major (Brunel)<br>Geology, Major (Bascom)<br>Biology, Major (Tennent)  |
| Alimentation (Crandall)<br>French Phonetics (Thayer)  | Intermediate Composition (Crandall)  |  |
| Greek, Plato (Wright)<br>Roman Prose of the Empire (Ruth)<br>History, England under the Tudors (Gray)<br>Mathematics (Haslett)<br>Nervous System  | Roman Elegy (Wheeler)<br><br>History, England under the Tudors (Gray)  | Roman Elegy (Wheeler)<br><br>History, England under the Tudors (Gray)  |
| German, Metrics (Jessen)<br>Chic<br>New Testament Greek Seminary (Barton)<br>Seminary in Politics (Fenwick)   | Greek Seminary, Greek Historians (Sanders), 3-4.30<br>Comparative Teutonic Grammar (Hebrew (Barton)<br>Philosophical Journal Club (Theodore de Laguna, Grace de Laguna and Avey), 3-4.30   | English Journal Club Donnelly, Chew and Savage), 3-4.30. Alternate Weeks<br>Old Norse<br>Romance Languages Journal Club (DeHaan, Beck and Schenck), 3-4.30. Alternate Weeks<br>Archaeological Journal Club (Carpenter, Swindler), 3-4.30. Alternate Weeks                              |
| Latin Seminary, Latin Lyric (Wheeler), 3.30-6<br>Middle High German<br>Seminary in Medieval French Literature (Beck), 4.30-6<br>Latin Seminary, 4-6<br>Seminary in American History (William R. Smith), 4-6<br>Seminary in Social Economy (Kingsbury), 4-6<br>Seminary in Petrology (Bascom), 4.30-6<br>Seminary in Zoology (Tennent), 4.30-6 | Middle English Seminary 4.30-6<br><br>Seminary in German Literature (Jessen), 4-6<br>Middle Low German<br>Semitic Seminary (Barton)<br>Seminary in Ancient History (Ferguson), 4-6<br>Seminary in Principles and Methods of Education (Castro) 4.30-6<br>Journal Club in History of Art (G. G. King), 4.30-6. Alternate Weeks<br>Mathematics (Scott), 4-6<br>Seminary in Physiology, 4-6 | Latin Seminary, Latin Lyric (Wheeler), 4.30-6<br>Middle High German<br>Semitic Seminary (Barton)<br>Seminary in Economics (Marion P. Smith), 4-6<br>Seminary in History of Philosophy (Avey), 4-6<br>Education Journal Club (Castro), 4.30-6<br>Seminary in Petrology (Bascom), 4.30-6 |
| Old High German<br>Spanish Seminary (DeHaan)  | Gothic<br>Spanish Seminary (DeHaan)<br>Geology Journal Club (Bascom and T. C. Brown), 4-6. Alternate Weeks   | Old High German<br>Spanish Philology (DeHaan)  |

# SCHEDULE OF COLLEGIATE EXAMINATIONS

|  |  |  |  |   |  |
|--|--|--|--|---|--|
|  |  |  |  | WEDNESDAY, JANUARY 24TH   |  |
|  |  |  |  | <b>ELECTIVE.</b><br>Intermediate Composition<br>Modern Painting<br><br><b>POST-MAJOR.</b><br>Greek, Melic Poets<br>Latin, Roman Elegy<br>German, Literature and Reading<br>French, Lyric Poetry<br>History, England under the Tudors<br>Politics, International Law   |  |
| MONDAY, JANUARY 29TH.  |  | TUESDAY, JANUARY 30TH.   |  | WEDNESDAY, JANUARY 31ST.  |  |
| <b>MINOR.</b><br>German, Literature..... 9-11<br><br><b>MAJOR.</b><br>French Composition..... 2- 3.15<br>Renaissance Sculpture..... 9-11<br><br><b>ELECTIVE.</b><br>Advanced German Composition.. 9-10.15<br><br><b>POST-MAJOR.</b><br>Greek, Sophocles..... 2- 3.15<br>Latin, Prose Composition..... 2- 3.15<br>Astrophysics..... 9-11<br>Chemistry, Physical..... 9-11 |  | <b>MINOR.</b><br>Latin, Cicero..... 9-11<br>Experimental Psychology..... 9-12<br>Italian Renaissance Painting..... 9-11<br>Physics..... 9-12<br>Geology..... 9-12<br><br><b>MAJOR.</b><br>Greek, Demosthenes and Aristophanes..... 9-12.15<br>English, Drama..... 9-12<br>French Literature..... 9-11<br>Politics..... 9-12<br>Mathematics, Diff. and Int. Calculus..... 9-11<br>Biology..... 9-12<br><br><b>ELECTIVE.</b><br>Argumentation..... 2- 4<br>French Phonetics..... 2- 3.15 |  | <b>ELECTIVE.</b><br>New Testament Biography.<br>Technique of the Drama.....<br>Education.....<br><br><b>POST-MAJOR.</b><br>Greek, Attic Orators.....<br>Latin, Vergil.....<br>French, Rabelais.....<br>History, American Constitutional<br>Social Statistics.....<br>Economics, American Social Problems.....<br>Experimental Psychology.....<br>Mathematics, Geometry..... |  |

## SCHEDULE OF MATRICULATION EXAMINATIONS

|  |  |  |  |  |  |
|--|--|--|--|--|--|
|  |  | THURSDAY, JANUARY 18TH.  |  | FRIDAY, JANUARY 19TH.                                      |  |
|  |  | <b>Hour.</b><br>English Composition..... 9.30-12.30<br>English Grammar, etc..... 2.30- 4.30<br>Greek Poets..... 4.45- 5.45 |  | Algebra.....<br>Latin Poets.....<br>Greek Composition..... |  |
| MONDAY, FEBRUARY 5TH.  |  | TUESDAY, FEBRUARY 6TH.   |  |  |  |
| <b>Hour.</b><br>Minor Latin, Section A..... 9.30-12.30<br>Trigonometry..... 2.30- 4.30 |  | <b>Hour.</b><br>Minor Latin, Section B..... 9.30-12.30<br>Solid Geometry..... 2.30- 4.30                                   |  |  |  |

This schedule of examinations is printed in advance in order that students may elect their courses and plan their examinations. On this account it will be impossible to change the time of any examination, except in case of a change in the lecture schedule.

# FIRST SEMESTER, 1916-17.

| THURSDAY, JANUARY 25TH.            |         | FRIDAY, JANUARY 26TH.                |         | SATURDAY, JANUARY 27TH.           |          |
|------------------------------------|---------|--------------------------------------|---------|-----------------------------------|----------|
| MAJOR.                             | Hour.   | MINOR.                               | Hour.   | GENERAL.                          | Hour.    |
| Second Year English, Literature..  | 9-12    | Greek, Homer.....                    | 9-11    | First Year English, Composition.. | 9-12     |
| MINOR.                             |         | French, 19th Century Literature..... | 9-11    | MINOR.                            |          |
| French, Med. English Romances..... | 9-12    | Hellenistic Towns.....               | 9-11    | Italian.....                      | 9-12     |
| French, 19th Century Critics.....  | 9-12    | Mathematics, Trigonometry.....       | 9-11    | Ancient History, Oriental.....    | 9-11     |
| French, Grammar and Reading.....   | 9-11    | MAJOR.                               |         | Philosophy, History of.....       | 9-12     |
| French, History of Europe.....     | 9-12    | German, Faust.....                   | 9-11    | Greek Sculpture.....              | 9-11     |
| French, History of Europe.....     | 9-12    | ELECTIVE.                            |         | MAJOR.                            |          |
| MAJOR.                             |         | Historical Dev. of Physics.....      | 9-10.15 | Latin, Tacitus and Composition..  | 9-12     |
| Philosophy, Kant to Spencer.....   | 9-12    | POST-MAJOR.                          |         | History of the French Revolution  | 9-12     |
| French, 18th Century Painting..... | 9-11    | Biology, Nervous System.....         | 2- 4    | Spanish.....                      | 9-12     |
| French, 18th Century Painting..... | 9-12    |                                      |         | Physics.....                      | 9-12     |
| ELECTIVE.                          |         |                                      |         | Chemistry.....                    | 9-12     |
| Chemistry.....                     | 9-10.15 |                                      |         | ELECTIVE.                         |          |
| POST-MAJOR.                        |         |                                      |         | Industrial and Census Problems..  | 9-10.15  |
| Chemistry, Organic.....            | 9-11    |                                      |         | Private Law.....                  | 11-12.15 |
|                                    |         |                                      |         | POST-MAJOR.                       |          |
|                                    |         |                                      |         | Mineralogy.....                   | 9-11     |

| THURSDAY, FEBRUARY 1ST.         |       | FRIDAY, FEBRUARY 2ND.                      |          | SATURDAY, FEBRUARY 3RD.          |       |
|---------------------------------|-------|--|----------|----------------------------------|-------|
| MINOR.                          | Hour. | ELEMENTARY.                                | Hour.    | MINOR.                           | Hour. |
| Ancient History, Classical..... | 9-11  | Greek.....                                 | 9-12     | Latin, Horace.....               | 9-11  |
| French Painting.....            | 9-11  | German.....                                | 9-12     | Gothic Architecture.....         | 9-11  |
| MAJOR.                          |       | French.....                                | 9-12     | MAJOR.                           |       |
| French Literature.....          | 9-11  | GENERAL.                                   |          | Greek, Literature.....           | 9-11  |
| ELECTIVE.                       |       | Philosophy.....                            | 9-12     | French Drama.....                | 9-11  |
| Descriptive Astronomy.....      | 9-11  | MINOR.                                     |          | Mathematics, Theory of Equations | 9-11  |
| POST-MAJOR.                     |       | Greek, Plato and Sophocles.....            | 9-12.15  | ELECTIVE.                        |       |
| Mathematics, Analysis.....      | 2- 4  | French Reading and Composition             | 9-11     | History of U. S.....             | 9-11  |
| Vertebrate Paleontology.....    | 9-11  | French Phonetics.....                      | 11-12.15 | POST-MAJOR.                      |       |
|                                 |       | Economics.....                             | 9-12     | Biology, Embryology.....         | 2- 4  |
|                                 |       | Ancient Architecture.....                  | 9-11     |                                  |       |
|                                 |       | Mathematics, Analytical Conics..           | 9-11     |                                  |       |
|                                 |       | Chemistry.....                             | 9-12     |                                  |       |
|                                 |       | MAJOR.                                     |          |                                  |       |
|                                 |       | German, Literature.....                    | 9-11     |                                  |       |
|                                 |       | German, Reading and Composition.....       | 11-12.15 |                                  |       |
|                                 |       | Ancient History, Fifth Century Athens..... | 9-11     |                                  |       |
|                                 |       | Social Psychology.....                     | 9-12     |                                  |       |
|                                 |       | ELECTIVE.                                  |          |                                  |       |
|                                 |       | Old Testament Canon.....                   | 9-10.15  |                                  |       |
|                                 |       | Meteorology.....                           | 9-10.15  |                                  |       |
|                                 |       | Cosmogony.....                             | 2- 3.15  |                                  |       |
|                                 |       | Biology, Theoretical.....                  | 11-12.15 |                                  |       |
|                                 |       | POST-MAJOR.                                |          |                                  |       |
|                                 |       | Biology, Biochemistry.....                 | 9-11     |                                  |       |
|                                 |       | Inorganic Chemistry.....                   | 2- 4     |                                  |       |

## JANUARY-FEBRUARY, 1917.

| SATURDAY, JANUARY 20TH.   |            | MONDAY, JANUARY 22ND.  |            | TUESDAY, JANUARY 23RD.   |            |
|---------------------------|------------|------------------------|------------|--------------------------|------------|
|                           | Hour.      |                        | Hour.      |                          | Hour.      |
| French.....               | 9.30-12.30 | Geometry.....          | 9.30-12    | German.....              | 9.30-12.30 |
| French.....               | 2.30- 4    | Latin Composition..... | 2.30- 4    | Latin Prose Authors..... | 2.30- 4.30 |
| French Prose Authors..... | 4.15- 5.15 | Science.....           | 4.15- 5.45 |                          |            |
|                           |            |                        |            |                          |            |
|                           |            |                        |            |                          |            |



# SCHEDULE OF COLLEGIATE EXAMINATIONS

WEDNESDAY, MAY 28th

MINOR.  
Latin, Horace  
Gothic Architecture

MAJOR.  
Greek, Literature  
French Drama  
Mathematics, Anal. Geometry

ELECTIVE.  
History of U. S.

POST-MAJOR.  
Chemistry, Organic  
Biology, Embryology

MONDAY, MAY 28TH.

|                                     |          |
|-------------------------------------|----------|
| GENERAL.                            | Hour.    |
| First Year, English Literature...   | 9-12     |
| MINOR.                              |          |
| Italian.....                        | 9-12     |
| Ancient History, Oriental.....      | 9-11     |
| Philosophy, Recent Philosophic      |          |
| Tendencies.....                     | 9-12     |
| Greek Sculpture.....                | 9-11     |
| MAJOR.                              |          |
| Latin, Comedy and Composition.      | 9-12.15  |
| Spanish.....                        | 9-12     |
| History of the Renaissance.....     | 9-12     |
| History of British Imperialism..... | 9-12     |
| Physics.....                        | 9-12     |
| Chemistry.....                      | 9-12     |
| ELECTIVE.                           |          |
| Industrial and Census Problems..    | 9-10.15  |
| Private Law.....                    | 11-12.15 |
| POST-MAJOR.                         |          |
| Mineralogy.....                     | 9-11     |

TUESDAY, MAY 29TH.

|                                  |         |
|----------------------------------|---------|
| GENERAL.                         | Hour.   |
| Second Year, English Composition | 9-12    |
| MINOR.                           |         |
| German, Literature.....          | 9-11    |
| MAJOR.                           |         |
| French, Composition.....         | 2- 3.15 |
| Renaissance Sculpture.....       | 9-11    |
| POST-MAJOR.                      |         |
| Greek, Prose Composition.....    | 2- 3.15 |
| Latin, Prose Composition.....    | 2- 3.15 |
| Astrophysics.....                | 9-11    |
| Chemistry, Physical.....         | 9-11    |

WEDNESDAY, MAY 29th

ELECTIVE.

New Testament Biography  
Technique of the Drama  
English, Reading of Prose.  
Education.....

POST-MAJOR.

Greek, Aeschylus.....  
Latin, Roman Prose  
French, Rabelais.  
History, American Constitutional  
Social Betterment  
Economics, American Social Prob-  
lems.....  
Experimental Psychology..  
Mathematics, Geometry.....

## SCHEDULE OF MATRICULATION

MONDAY, JUNE 4TH.

|                           |            |
|---------------------------|------------|
|                           | Hour.      |
| French.....               | 9.30-12.30 |
| History.....              | 2.30- 4    |
| Greek, Prose Authors..... | 4.15- 5.15 |

TUESDAY, JUNE 5TH.

|                         |            |
|-------------------------|------------|
|                         | Hour.      |
| Geometry.....           | 9.30-12    |
| Latin, Composition..... | 2.30- 4    |
| Science.....            | 4.15- 5.45 |

WEDNESDAY, JUNE 6th

German.....  
Latin, Prose Authors.....

# SECOND SEMESTER, 1916-17.

| THURSDAY, MAY 24TH.      |      | FRIDAY, MAY 25TH.              |         | SATURDAY, MAY 26TH.                       |         |
|--------------------------|------|--------------------------------|---------|---|---------|
| <b>ELECTIVE.</b>         |      | <b>MINOR.</b>                  |         | <b>MATRICULATION.</b>                     |         |
| Immediate Composition    | 9-11 | English, Poetry 1850-1914      | 9-12    | German                                    | 9-10.30 |
| Latin Painting           | 2-4  | German, Grammar and Reading    | 9-11    | French                                    | 9-10.30 |
| <b>POST-MAJOR.</b>       |      | Spanish                        | 9-12    | <b>MINOR.</b>                             |         |
| Plato                    | 2-4  | History of the Reformation     | 9-12    | Greek, Homer                              | 9-11    |
| Roman Elegy              | 9-11 | History of the Middle Ages     | 9-12    | French, 19th Century Literature           | 9-11    |
| Literature and Reading   | 2-4  | Biology                        | 9-12    | Ancient Rome                              | 9-11    |
| Lyric Poetry             | 2-4  | <b>MAJOR.</b>                  |         | Mathematics, Theory of Equations, Algebra | 9-11    |
| England under the Tudors | 9-11 | Philosophy, Ethics             | 9-12    | Chemistry                                 | 9-12    |
| International Law        | 2-4  | 17th and 18th Century Painting | 9-11    | <b>MAJOR.</b>                             |         |
|                          |      | Geology                        | 9-12    | German, Faust                             | 9-11    |
|                          |      | <b>ELECTIVE.</b>               |         | <b>ELECTIVE.</b>                          |         |
|                          |      | Mathematics, Graphic           | 9-10.15 | Hist. Development of Physics              | 9-10.15 |
|                          |      | <b>POST-MAJOR.</b>             |         | <b>POST-MAJOR.</b>                        |         |
|                          |      | Physics                        | 9-11    | Biology, Biochemistry                     | 2-4     |
|                          |      | Chemistry, Organic             | 9-11    |   |         |

| THURSDAY, MAY 31ST.         |        | FRIDAY, JUNE 1ST.          |      | SATURDAY, JUNE 2ND.                             |          |
|-----------------------------|--------|----------------------------|------|---|----------|
| <b>MINOR.</b>               |        | <b>MINOR.</b>              |      | <b>MATRICULATION.</b>                           |          |
| Terence                     | 9-11   | Ancient History, Classical | 9-11 | Greek   | 9-10.30  |
| Philology                   | 9-12   | Greek and Roman Minor Arts | 9-11 | German  | 9-10.30  |
| Renaissance Painting        | 9-11   | <b>MAJOR.</b>              |      | French  | 9-10.30  |
|                             | 9-12   | Latin, Literature          | 9-11 | <b>GENERAL.</b>                                 |          |
| <b>MAJOR.</b>               |        | <b>ELECTIVE.</b>           |      | Psychology                                      | 9-12     |
| Thucydides and Sophocles    | 9-11   | Descriptive Astronomy      | 9-11 | <b>MINOR.</b>                                   |          |
| Shakespeare                 | 9-12   | <b>POST-MAJOR.</b>         |      | Greek, Herodotus and Euripides                  | 9-12.15  |
| 19th Century Fiction        | 9-12   | Mathematics, Analysis      | 2-4  | French, Reading and Composition                 | 9-11     |
| History of Economic Thought | 9-12   | Invertebrate Paleontology  | 9-11 | Government and Politics                         | 9-11     |
| Statistics, Curve Tracing   | 9-12   |                            |      | Ancient Architecture                            | 9-11     |
|                             | 9-12   |                            |      | Mathematics, Differential and Integral Calculus | 9-11     |
| <b>ELECTIVE.</b>            |        |                            |      | <b>MAJOR.</b>                                   |          |
| Ornamentation               | 2-4    |                            |      | German, Literature                              | 9-11     |
| Phonetics                   | 2-3.15 |                            |      | German, Reading and Composition                 | 11-12.15 |
|                             |        |                            |      | Ancient History, First Century Roman Empire     | 9-11     |
|                             |        |                            |      | Applied Psychology                              | 9-11     |
|                             |        |                            |      | <b>ELECTIVE.</b>                                |          |
|                             |        |                            |      | Old Testament Canon                             | 9-10.15  |
|                             |        |                            |      | Meteorology                                     | 9-10.15  |
|                             |        |                            |      | Cosmogony                                       | 2-3.15   |
|                             |        |                            |      | Biology, Theoretical                            | 11-12.15 |
|                             |        |                            |      | <b>POST-MAJOR.</b>                              |          |
|                             |        |                            |      | Biology, Biochemistry                           | 9-11     |
|                             |        |                            |      | Inorganic Chemistry                             | 2-4      |

## EXAMINATIONS, SPRING, 1917.

| THURSDAY, MAY 31ST. |            | FRIDAY, JUNE 1ST.     |            | SATURDAY, JUNE 2ND. |           |
|---------------------|------------|-----------------------|------------|---------------------|-----------|
|                     | Hour.      |                       | Hour.      |                     | Hour.     |
| Latin, Section A    | 9.30-12.30 | English Composition   | 9.30-12.30 | Algebra             | 9.30-12   |
| Geometry            | 9.30-11.30 | English Grammar, etc. | 2.30-4.30  | Latin Poets         | 2.30-4    |
| Latin, Section B    | 2.30-5.30  | Greek Poets           | 4.45-5.45  | Greek, Composition  | 4.15-5.15 |
| Geometry            | 2.30-4.30  |                       |            |                     |           |
|                     |            |                       |            |                     |           |
|                     |            |                       |            |                     |           |



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# BRYN MAWR COLLEGE

## CALENDAR

### UNDERGRADUATE AND GRADUATE COURSES

1917



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Volume X. Part 3.





# BRYN MAWR COLLEGE

## CALENDAR

### UNDERGRADUATE AND GRADUATE COURSES

1917

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BRYN MAWR, PENNSYLVANIA.

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# BRYN MAWR COLLEGE CALENDAR

1917.

- PART 1. Register of Alumnae and Former Students.
- PART 2. Graduate Courses.
- PART 3. Undergraduate and Graduate Courses.
- PART 4. Academic Buildings and Halls of Residence,  
Plans and Descriptions.

# BRYN MAWR COLLEGE.

## COLLEGE CALENDAR.

| 1917.    |    |    |    |    |    |    |           |    |    |    |    |    |    | 1918.    |    |    |    |    |    |    |           |    |    |    |    |    |    | 1919.    |    |    |    |    |    |    |    |  |  |  |  |  |  |
|----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----------|----|----|----|----|----|----|----|--|--|--|--|--|--|
| JANUARY  |    |    |    |    |    |    | JULY      |    |    |    |    |    |    | JANUARY  |    |    |    |    |    |    | JULY      |    |    |    |    |    |    | JANUARY  |    |    |    |    |    |    |    |  |  |  |  |  |  |
| S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  |    |  |  |  |  |  |  |
|          | 1  | 2  | 3  | 4  | 5  | 6  | 1         | 2  | 3  | 4  | 5  | 6  | 7  |          |    | 1  | 2  | 3  | 4  | 5  | 6         |    |    | 1  | 2  | 3  | 4  |          |    | 1  | 2  | 3  | 4  |    |    |  |  |  |  |  |  |
| 7        | 8  | 9  | 10 | 11 | 12 | 13 | 8         | 9  | 10 | 11 | 12 | 13 | 14 | 6        | 7  | 8  | 9  | 10 | 11 | 12 |           | 7  | 8  | 9  | 10 | 11 | 12 | 13       | 5  | 6  | 7  | 8  | 9  | 10 | 11 |  |  |  |  |  |  |
| 14       | 15 | 16 | 17 | 18 | 19 | 20 | 15        | 16 | 17 | 18 | 19 | 20 | 21 | 13       | 14 | 15 | 16 | 17 | 18 | 19 | 20        | 14 | 15 | 16 | 17 | 18 | 19 | 20       | 12 | 13 | 14 | 15 | 16 | 17 | 18 |  |  |  |  |  |  |
| 21       | 22 | 23 | 24 | 25 | 26 | 27 | 22        | 23 | 24 | 25 | 26 | 27 | 28 | 20       | 21 | 22 | 23 | 24 | 25 | 26 | 27        | 21 | 22 | 23 | 24 | 25 | 26 | 27       | 19 | 20 | 21 | 22 | 23 | 24 | 25 |  |  |  |  |  |  |
| 28       | 29 | 30 | 31 |    |    |    | 29        | 30 | 31 |    |    |    |    | 27       | 28 | 29 | 30 | 31 |    |    |           | 28 | 29 | 30 | 31 |    |    |          | 26 | 27 | 28 | 29 | 30 | 31 |    |  |  |  |  |  |  |
| FEBRUARY |    |    |    |    |    |    | AUGUST    |    |    |    |    |    |    | FEBRUARY |    |    |    |    |    |    | AUGUST    |    |    |    |    |    |    | FEBRUARY |    |    |    |    |    |    |    |  |  |  |  |  |  |
|          |    |    |    | 1  | 2  | 3  |           |    |    |    | 1  | 2  | 3  | 4        |    |    |    |    | 1  | 2  | 3         | 4  |    |    |    |    | 1  | 2        | 3  | 4  | 5  | 6  | 7  | 8  |    |  |  |  |  |  |  |
| 4        | 5  | 6  | 7  | 8  | 9  | 10 | 5         | 6  | 7  | 8  | 9  | 10 | 11 | 3        | 4  | 5  | 6  | 7  | 8  | 9  | 10        | 4  | 5  | 6  | 7  | 8  | 9  | 10       | 9  | 10 | 11 | 12 | 13 | 14 | 15 |  |  |  |  |  |  |
| 11       | 12 | 13 | 14 | 15 | 16 | 17 | 12        | 13 | 14 | 15 | 16 | 17 | 18 | 10       | 11 | 12 | 13 | 14 | 15 | 16 | 17        | 11 | 12 | 13 | 14 | 15 | 16 | 17       | 16 | 17 | 18 | 19 | 20 | 21 | 22 |  |  |  |  |  |  |
| 18       | 19 | 20 | 21 | 22 | 23 | 24 | 19        | 20 | 21 | 22 | 23 | 24 | 25 | 17       | 18 | 19 | 20 | 21 | 22 | 23 | 24        | 18 | 19 | 20 | 21 | 22 | 23 | 24       | 23 | 24 | 25 | 26 | 27 | 28 |    |  |  |  |  |  |  |
| 25       | 26 | 27 | 28 |    |    |    | 26        | 27 | 28 | 29 | 30 | 31 |    | 24       | 25 | 26 | 27 | 28 |    |    | 25        | 26 | 27 | 28 | 29 | 30 | 31 |          |    |    |    |    |    |    |    |  |  |  |  |  |  |
| MARCH    |    |    |    |    |    |    | SEPTEMBER |    |    |    |    |    |    | MARCH    |    |    |    |    |    |    | SEPTEMBER |    |    |    |    |    |    | MARCH    |    |    |    |    |    |    |    |  |  |  |  |  |  |
|          |    |    |    | 1  | 2  | 3  |           |    |    |    |    |    | 1  |          |    |    |    |    | 1  | 2  | 3         | 4  | 5  | 6  | 7  |    |    |          |    |    |    |    | 1  |    |    |  |  |  |  |  |  |
| 4        | 5  | 6  | 7  | 8  | 9  | 10 | 2         | 3  | 4  | 5  | 6  | 7  | 8  | 3        | 4  | 5  | 6  | 7  | 8  | 9  | 8         | 9  | 10 | 11 | 12 | 13 | 14 | 2        | 3  | 4  | 5  | 6  | 7  | 8  |    |  |  |  |  |  |  |
| 11       | 12 | 13 | 14 | 15 | 16 | 17 | 9         | 10 | 11 | 12 | 13 | 14 | 15 | 10       | 11 | 12 | 13 | 14 | 15 | 16 | 15        | 16 | 17 | 18 | 19 | 20 | 21 | 9        | 10 | 11 | 12 | 13 | 14 | 15 |    |  |  |  |  |  |  |
| 18       | 19 | 20 | 21 | 22 | 23 | 24 | 16        | 17 | 18 | 19 | 20 | 21 | 22 | 17       | 18 | 19 | 20 | 21 | 22 | 23 | 22        | 23 | 24 | 25 | 26 | 27 | 28 | 16       | 17 | 18 | 19 | 20 | 21 | 22 |    |  |  |  |  |  |  |
| 25       | 26 | 27 | 28 | 29 | 30 | 31 | 23        | 24 | 25 | 26 | 27 | 28 | 29 | 24       | 25 | 26 | 27 | 28 | 29 | 30 | 29        | 30 |    |    |    |    |    | 23       | 24 | 25 | 26 | 27 | 28 | 29 |    |  |  |  |  |  |  |
|          |    |    |    |    |    |    | 30        |    |    |    |    |    |    | 31       |    |    |    |    |    |    |           |    |    |    |    |    |    | 30       | 31 |    |    |    |    |    |    |  |  |  |  |  |  |
| APRIL    |    |    |    |    |    |    | OCTOBER   |    |    |    |    |    |    | APRIL    |    |    |    |    |    |    | OCTOBER   |    |    |    |    |    |    | APRIL    |    |    |    |    |    |    |    |  |  |  |  |  |  |
|          | 1  | 2  | 3  | 4  | 5  | 6  |           |    | 1  | 2  | 3  | 4  | 5  | 6        |    |    |    |    | 1  | 2  | 3         | 4  | 5  |    |    |    |    |          |    |    | 1  | 2  | 3  | 4  | 5  |  |  |  |  |  |  |
| 8        | 9  | 10 | 11 | 12 | 13 | 14 | 7         | 8  | 9  | 10 | 11 | 12 | 13 | 14       | 7  | 8  | 9  | 10 | 11 | 12 | 13        | 6  | 7  | 8  | 9  | 10 | 11 | 12       | 6  | 7  | 8  | 9  | 10 | 11 | 12 |  |  |  |  |  |  |
| 15       | 16 | 17 | 18 | 19 | 20 | 21 | 14        | 15 | 16 | 17 | 18 | 19 | 20 | 21       | 14 | 15 | 16 | 17 | 18 | 19 | 20        | 13 | 14 | 15 | 16 | 17 | 18 | 19       | 13 | 14 | 15 | 16 | 17 | 18 | 19 |  |  |  |  |  |  |
| 22       | 23 | 24 | 25 | 26 | 27 | 28 | 21        | 22 | 23 | 24 | 25 | 26 | 27 | 28       | 21 | 22 | 23 | 24 | 25 | 26 | 27        | 20 | 21 | 22 | 23 | 24 | 25 | 26       | 20 | 21 | 22 | 23 | 24 | 25 | 26 |  |  |  |  |  |  |
| 29       | 30 |    |    |    |    |    | 28        | 29 | 30 | 31 |    |    |    |          | 28 | 29 | 30 | 31 |    |    |           | 27 | 28 | 29 | 30 | 31 |    |          | 27 | 28 | 29 | 30 |    |    |    |  |  |  |  |  |  |
| MAY      |    |    |    |    |    |    | NOVEMBER  |    |    |    |    |    |    | MAY      |    |    |    |    |    |    | NOVEMBER  |    |    |    |    |    |    | MAY      |    |    |    |    |    |    |    |  |  |  |  |  |  |
|          |    | 1  | 2  | 3  | 4  | 5  |           |    |    |    | 1  | 2  | 3  |          |    |    |    |    | 1  | 2  | 3         | 4  | 5  | 6  | 7  | 8  | 9  |          |    |    |    |    | 1  | 2  | 3  |  |  |  |  |  |  |
| 13       | 14 | 15 | 16 | 17 | 18 | 19 | 4         | 5  | 6  | 7  | 8  | 9  | 10 | 11       | 3  | 4  | 5  | 6  | 7  | 8  | 9         | 10 | 11 | 12 | 13 | 14 | 15 | 16       | 17 | 18 | 19 | 20 | 21 | 22 | 23 |  |  |  |  |  |  |
| 20       | 21 | 22 | 23 | 24 | 25 | 26 | 11        | 12 | 13 | 14 | 15 | 16 | 17 | 18       | 10 | 11 | 12 | 13 | 14 | 15 | 16        | 17 | 18 | 19 | 20 | 21 | 22 | 23       | 24 | 25 | 26 | 27 | 28 | 29 | 30 |  |  |  |  |  |  |
| 27       | 28 | 29 | 30 | 31 |    |    | 18        | 19 | 20 | 21 | 22 | 23 | 24 | 25       | 17 | 18 | 19 | 20 | 21 | 22 | 23        | 24 | 25 | 26 | 27 | 28 | 29 | 30       | 25 | 26 | 27 | 28 | 29 | 30 | 31 |  |  |  |  |  |  |
|          |    |    |    |    |    |    | 25        | 26 | 27 | 28 | 29 | 30 |    |          | 24 | 25 | 26 | 27 | 28 | 29 |           |    |    |    |    |    |    |          |    |    |    |    |    |    |    |  |  |  |  |  |  |
| JUNE     |    |    |    |    |    |    | DECEMBER  |    |    |    |    |    |    | JUNE     |    |    |    |    |    |    | DECEMBER  |    |    |    |    |    |    | JUNE     |    |    |    |    |    |    |    |  |  |  |  |  |  |
|          |    |    |    |    | 1  | 2  |           |    |    |    |    |    |    | 1        |    |    |    |    | 1  | 2  | 3         | 4  | 5  | 6  | 7  |    |    |          |    |    |    |    | 1  | 2  | 3  |  |  |  |  |  |  |
| 3        | 4  | 5  | 6  | 7  | 8  | 9  | 2         | 3  | 4  | 5  | 6  | 7  | 8  | 2        | 3  | 4  | 5  | 6  | 7  | 8  | 8         | 9  | 10 | 11 | 12 | 13 | 14 | 8        | 9  | 10 | 11 | 12 | 13 | 14 |    |  |  |  |  |  |  |
| 10       | 11 | 12 | 13 | 14 | 15 | 16 | 9         | 10 | 11 | 12 | 13 | 14 | 15 | 9        | 10 | 11 | 12 | 13 | 14 | 15 | 10        | 11 | 12 | 13 | 14 | 15 | 16 | 15       | 16 | 17 | 18 | 19 | 20 | 21 |    |  |  |  |  |  |  |
| 17       | 18 | 19 | 20 | 21 | 22 | 23 | 16        | 17 | 18 | 19 | 20 | 21 | 22 | 16       | 17 | 18 | 19 | 20 | 21 | 22 | 17        | 18 | 19 | 20 | 21 | 22 | 23 | 22       | 23 | 24 | 25 | 26 | 27 | 28 |    |  |  |  |  |  |  |
| 24       | 25 | 26 | 27 | 28 | 29 | 30 | 23        | 24 | 25 | 26 | 27 | 28 | 29 | 23       | 24 | 25 | 26 | 27 | 28 | 29 | 24        | 25 | 26 | 27 | 28 | 29 | 30 | 29       | 30 | 31 |    |    |    |    |    |  |  |  |  |  |  |
|          |    |    |    |    |    |    | 30        |    |    |    |    |    |    | 30       |    |    |    |    |    |    |           |    |    |    |    |    |    |          |    |    |    |    |    |    |    |  |  |  |  |  |  |

The academic year will close with the Conferring of Degrees at eleven o'clock, on June 6th, 1918.



## ACADEMIC YEAR, 1917-18.

|                 |   |
|-----------------|---|
| September 25th. | Matriculation examinations begin.   |
| October 1st.    | Registration of students. Halls of Residence open for students at three p. m.   |
| October 2nd.    | Registration of students.<br>Matriculation examinations end.                    |
| October 3rd.    | The work of the thirty-third academic year begins at a quarter to nine o'clock. |
| October 4th.    | Examinations for advanced standing begin.                                       |
| October 25th.   | Examinations for advanced standing end.   |
| November 19th.  | Collegiate and matriculation condition examinations begin.                      |
| November 27th.  | Collegiate and matriculation condition examinations end.                        |
| November 28th.  | Thanksgiving vacation begins at one o'clock.                                    |
| December 3rd.   | Thanksgiving vacation ends at nine o'clock.                                     |
| December 8th.   | Senior oral examination in French.  |
| January 3rd.    | Christmas vacation ends at nine o'clock.  |
| January 17th.   | Matriculation examinations begin.   |
| January 22nd.   | Matriculation examinations end.   |
| January 23rd.   | Half-yearly collegiate examinations begin.                                      |
| February 2nd.   | Collegiate examinations end.<br>Annual meeting of the Alumnae Association.      |
| February 4th.   | Vacation.   |
| February 5th.   | Vacation.   |
| February 6th.   | The work of the second semester begins at a quarter to nine o'clock.            |
| February 7th.   | Examinations for advanced standing begin.                                       |
| February 28th.  | Examinations for advanced standing end.   |
| March 15th.     | Announcement of European Fellowships.   |
| March 18th.     | Collegiate and matriculation condition examinations begin.                      |
| March 19th.     | Mid-semester examination in matriculation Greek.                                |
| March 26th.     | Collegiate and matriculation condition examinations end.                        |
| March 27th.     | Easter vacation begins at one o'clock.  |
| April 4th.      | Easter vacation ends at nine o'clock.   |
| May 21st.       | Vacation.   |
| May 22nd.       | Collegiate examinations begin.  |
| May 30th.       | Matriculation examinations begin.   |
| June 1st.       | Collegiate examinations end.  |
| June 5th.       | Matriculation examinations end.   |
| June 6th.       | Conferring of degrees and close of thirty-third academic year.                  |

## ACADEMIC YEAR, 1918-19.

|                 |  |
|-----------------|--|
| September 24th. | Matriculation examinations begin.  |
| September 30th. | Registration of students. Halls of Residence open for students at three p. m.    |
| October 1st.    | Registration of students.<br>Matriculation examinations end.                     |
| October 2nd.    | The work of the thirty-fourth academic year begins at a quarter to nine o'clock. |
| October 3rd.    | Examinations for advanced standing begin.  |
| October 24th.   | Examinations for advanced standing end.  |
| November 18th.  | Collegiate and matriculation condition examinations begin.                       |
| November 26th.  | Collegiate and matriculation condition examinations end.                         |
| November 27th.  | Thanksgiving vacation begins at one o'clock.                                     |
| December 2nd.   | Thanksgiving vacation ends at nine o'clock.                                      |
| December 18th.  | Christmas vacation begins at one o'clock.  |
| January 2nd.    | Christmas vacation ends at nine o'clock.   |
| January 16th.   | Matriculation examinations begin.  |
| January 21st.   | Matriculation examinations end.  |
| January 22nd.   | Half-yearly collegiate examinations begin.                                       |
| February 1st.   | Collegiate examinations end.<br>Annual meeting of the Alumnae Association.       |
| February 3rd.   | Vacation.  |
| February 4th.   | Vacation.  |
| February 5th.   | The work of the second semester begins at a quarter to nine o'clock.             |
| February 6th.   | Examinations for advanced standing begin.  |
| February 27th.  | Examinations for advanced standing end.  |
| March 14th.     | Announcement of European Fellowships.  |
| March 18th.     | Mid-semester examination in matriculation Greek.                                 |
| April 7th.      | Collegiate and matriculation condition examinations begin.                       |
| April 15th.     | Collegiate and matriculation condition examinations end.                         |
| April 16th.     | Easter vacation begins at one o'clock.   |
| April 24th.     | Easter vacation ends at nine o'clock.  |
| May 20th.       | Vacation.  |
| May 21st.       | Collegiate examinations begin.   |
| May 29th.       | Matriculation examinations begin.  |
| May 31st.       | Collegiate examinations end.   |
| June 4th.       | Matriculation examinations end.  |
| June 5th.       | Conferring of degrees and close of thirty-fourth academic year.                  |

## ACADEMIC YEAR, 1919-20.

|                 |   |
|-----------------|---|
| September 23rd. | Matriculation examinations begin.   |
| September 29th. | Registration of students. Halls of Residence open for students at three p. m.   |
| September 30th. | Registration of students.<br>Matriculation examinations end.                    |
| October 1st.    | The work of the thirty-fifth academic year begins at a quarter to nine o'clock. |

## SPRING, 1917.

## THURSDAY, MAY 31.

|                                   |                              |
|-----------------------------------|------------------------------|
| <i>Minor Latin, A</i> , . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Trigonometry</i> , . . . . .   | $9\frac{1}{2}-11\frac{1}{2}$ |
| <i>Minor Latin, B</i> , . . . . . | $2\frac{1}{2}-5\frac{1}{2}$  |
| <i>Solid Geometry</i> , . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## FRIDAY, JUNE 1.

|  |                              |
|--|------------------------------|
| <i>English Composition</i> , . . . . .   | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>English Grammar, etc.</i> , . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Poets</i> , . . . . .           | $4\frac{3}{4}-5\frac{3}{4}$  |

## SATURDAY, JUNE 2.

|  |                             |
|--|-----------------------------|
| <i>Algebra</i> , . . . . .                                   | $9\frac{1}{2}-12$           |
| <i>Latin Poets</i> , . . . . .                               | $2\frac{1}{2}-4$            |
| <i>Greek Grammar and Com-</i><br><i>position</i> , . . . . . | $4\frac{1}{4}-5\frac{1}{4}$ |

## AUTUMN, 1917.

## TUESDAY, SEPTEMBER 25.

|  |                              |
|--|------------------------------|
| <i>English Composition</i> , . . . . .   | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>English Grammar, etc.</i> , . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Poets</i> , . . . . .           | $4\frac{3}{4}-5\frac{3}{4}$  |

## WEDNESDAY, SEPTEMBER 26.

|  |                             |
|--|-----------------------------|
| <i>Algebra</i> , . . . . .                                   | $9\frac{1}{2}-12$           |
| <i>Latin Poets</i> , . . . . .                               | $2\frac{1}{2}-4$            |
| <i>Greek Grammar and Com-</i><br><i>position</i> , . . . . . | $4\frac{1}{4}-5\frac{1}{4}$ |

## THURSDAY, SEPTEMBER 27.

|  |                              |
|--|------------------------------|
| <i>French</i> , . . . . .              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>History</i> , . . . . .             | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Prose Authors</i> , . . . . . | $4\frac{3}{4}-5\frac{3}{4}$  |

## FRIDAY, SEPTEMBER 28.

|                                      |                             |
|--------------------------------------|-----------------------------|
| <i>Geometry</i> , . . . . .          | $9\frac{1}{2}-12$           |
| <i>Latin Composition</i> , . . . . . | $2\frac{1}{2}-4$            |
| <i>Science</i> , . . . . .           | $4\frac{1}{4}-5\frac{3}{4}$ |

## SATURDAY, SEPTEMBER 29.

|  |                              |
|--|------------------------------|
| <i>German</i> , . . . . .              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Latin Prose Authors</i> , . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## WEDNESDAY, OCTOBER 3.

|                                   |                              |
|-----------------------------------|------------------------------|
| <i>Minor Latin, A</i> , . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Trigonometry</i> , . . . . .   | $2\frac{1}{2}-4\frac{1}{2}$  |

## THURSDAY, OCTOBER 4.

|                                   |                              |
|-----------------------------------|------------------------------|
| <i>Minor Latin, B</i> , . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Solid Geometry</i> , . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## MONDAY, JUNE 4.

|  |                              |
|--|------------------------------|
| <i>French</i> , . . . . .              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>History</i> , . . . . .             | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Prose Authors</i> , . . . . . | $4\frac{3}{4}-5\frac{3}{4}$  |

## TUESDAY, JUNE 5.

|                                      |                             |
|--------------------------------------|-----------------------------|
| <i>Geometry</i> , . . . . .          | $9\frac{1}{2}-12$           |
| <i>Latin Composition</i> , . . . . . | $2\frac{1}{2}-4$            |
| <i>Science</i> , . . . . .           | $4\frac{1}{4}-5\frac{3}{4}$ |

## WEDNESDAY, JUNE 6.

|  |                              |
|--|------------------------------|
| <i>German</i> , . . . . .              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Latin Prose Authors</i> , . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## WINTER, 1918.

## THURSDAY, JANUARY 17.

|  |                              |
|--|------------------------------|
| <i>English Composition</i> , . . . . .   | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>English Grammar, etc.</i> , . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Poets</i> , . . . . .           | $4\frac{3}{4}-5\frac{3}{4}$  |

## FRIDAY, JANUARY 18.

|  |                             |
|--|-----------------------------|
| <i>Algebra</i> , . . . . .                                   | $9\frac{1}{2}-12$           |
| <i>Latin Poets</i> , . . . . .                               | $2\frac{1}{2}-4$            |
| <i>Greek Grammar and Com-</i><br><i>position</i> , . . . . . | $4\frac{1}{4}-5\frac{1}{4}$ |

## SATURDAY, JANUARY 19.

|  |                              |
|--|------------------------------|
| <i>French</i> , . . . . .              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>History</i> , . . . . .             | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Prose Authors</i> , . . . . . | $4\frac{3}{4}-5\frac{3}{4}$  |

## MONDAY, JANUARY 21.

|                                      |                             |
|--------------------------------------|-----------------------------|
| <i>Geometry</i> , . . . . .          | $9\frac{1}{2}-12$           |
| <i>Latin Composition</i> , . . . . . | $2\frac{1}{2}-4$            |
| <i>Science</i> , . . . . .           | $4\frac{1}{4}-5\frac{3}{4}$ |

## TUESDAY, JANUARY 22.

|  |                              |
|--|------------------------------|
| <i>German</i> , . . . . .              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Latin Prose Authors</i> , . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## MONDAY, FEBRUARY 4.

|                                   |                              |
|-----------------------------------|------------------------------|
| <i>Minor Latin, A</i> , . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Trigonometry</i> , . . . . .   | $2\frac{1}{2}-4\frac{1}{2}$  |

## TUESDAY, FEBRUARY 5.

|                                   |                              |
|-----------------------------------|------------------------------|
| <i>Minor Latin, B</i> , . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Solid Geometry</i> , . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |



## SPRING, 1918.

## THURSDAY, MAY 30.

|                                  |                              |
|----------------------------------|------------------------------|
| <i>Minor Latin, A,</i> . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Trigonometry,</i> . . . . .   | $9\frac{1}{2}-11\frac{1}{2}$ |
| <i>Minor Latin, B,</i> . . . . . | $2\frac{1}{2}-5\frac{1}{2}$  |
| <i>Solid Geometry,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## FRIDAY, MAY 31.

|   |                              |
|---|------------------------------|
| <i>English Composition,</i> . . . . .   | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>English Grammar, etc.,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Poets,</i> . . . . .           | $4\frac{3}{4}-5\frac{3}{4}$  |

## SATURDAY, JUNE 1.

|   |                             |
|---|-----------------------------|
| <i>Algebra,</i> . . . . .                             | $9\frac{1}{2}-12$           |
| <i>Latin Poets,</i> . . . . .                         | $2\frac{1}{2}-4$            |
| <i>Greek Grammar and Com-<br/>position,</i> . . . . . | $4\frac{1}{4}-5\frac{1}{4}$ |

## AUTUMN, 1918.

## TUESDAY, SEPTEMBER 24.

|   |                              |
|---|------------------------------|
| <i>English Composition,</i> . . . . .   | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>English Grammar, etc.,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Poets,</i> . . . . .           | $4\frac{3}{4}-5\frac{3}{4}$  |

## WEDNESDAY, SEPTEMBER 25.

|   |                             |
|---|-----------------------------|
| <i>Algebra,</i> . . . . .                             | $9\frac{1}{2}-12$           |
| <i>Latin Poets,</i> . . . . .                         | $2\frac{1}{2}-4$            |
| <i>Greek Grammar and Com-<br/>position,</i> . . . . . | $4\frac{1}{4}-5\frac{1}{4}$ |

## THURSDAY, SEPTEMBER 26.

|                                       |                              |
|---------------------------------------|------------------------------|
| <i>French,</i> . . . . .              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>History,</i> . . . . .             | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Prose Authors,</i> . . . . . | $4\frac{3}{4}-5\frac{3}{4}$  |

## FRIDAY, SEPTEMBER 27.

|                                     |                             |
|-------------------------------------|-----------------------------|
| <i>Geometry,</i> . . . . .          | $9\frac{1}{2}-12$           |
| <i>Latin Composition,</i> . . . . . | $2\frac{1}{2}-4$            |
| <i>Science,</i> . . . . .           | $4\frac{1}{4}-5\frac{3}{4}$ |

## SATURDAY, SEPTEMBER 28.

|                                       |                              |
|---------------------------------------|------------------------------|
| <i>German,</i> . . . . .              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Latin Prose Authors,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## WEDNESDAY, OCTOBER 2.

|                                  |                              |
|----------------------------------|------------------------------|
| <i>Minor Latin, A,</i> . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Trigonometry,</i> . . . . .   | $2\frac{1}{2}-4\frac{1}{2}$  |

## THURSDAY, OCTOBER 3.

|                                  |                              |
|----------------------------------|------------------------------|
| <i>Minor Latin, B,</i> . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Solid Geometry,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## MONDAY, JUNE 3.

|                                       |                              |
|---------------------------------------|------------------------------|
| <i>French,</i> . . . . .              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>History,</i> . . . . .             | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Prose Authors,</i> . . . . . | $4\frac{1}{4}-5\frac{1}{4}$  |

## TUESDAY, JUNE 4.

|                                     |                             |
|-------------------------------------|-----------------------------|
| <i>Geometry,</i> . . . . .          | $9\frac{1}{2}-12$           |
| <i>Latin Composition,</i> . . . . . | $2\frac{1}{2}-4$            |
| <i>Science,</i> . . . . .           | $4\frac{1}{4}-5\frac{1}{4}$ |

## WEDNESDAY, JUNE 5.

|                                       |                              |
|---------------------------------------|------------------------------|
| <i>German,</i> . . . . .              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Latin Prose Authors,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## WINTER, 1919.

## THURSDAY, JANUARY 16.

|   |                              |
|---|------------------------------|
| <i>English Composition,</i> . . . . .   | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>English Grammar, etc.,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Poets,</i> . . . . .           | $4\frac{3}{4}-5\frac{3}{4}$  |

## FRIDAY, JANUARY 17.

|   |                             |
|---|-----------------------------|
| <i>Algebra,</i> . . . . .                             | $9\frac{1}{2}-12$           |
| <i>Latin Poets,</i> . . . . .                         | $2\frac{1}{2}-4$            |
| <i>Greek Grammar and Com-<br/>position,</i> . . . . . | $4\frac{1}{4}-5\frac{1}{4}$ |

## SATURDAY, JANUARY 18.

|                                       |                              |
|---------------------------------------|------------------------------|
| <i>French,</i> . . . . .              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>History,</i> . . . . .             | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Prose Authors,</i> . . . . . | $4\frac{3}{4}-5\frac{3}{4}$  |

## MONDAY, JANUARY 20.

|                                     |                             |
|-------------------------------------|-----------------------------|
| <i>Geometry,</i> . . . . .          | $9\frac{1}{2}-12$           |
| <i>Latin Composition,</i> . . . . . | $2\frac{1}{2}-4$            |
| <i>Science,</i> . . . . .           | $4\frac{1}{4}-5\frac{3}{4}$ |

## TUESDAY, JANUARY 21.

|                                       |                              |
|---------------------------------------|------------------------------|
| <i>German,</i> . . . . .              | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Latin Prose Authors,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## MONDAY, FEBRUARY 3.

|                                  |                              |
|----------------------------------|------------------------------|
| <i>Minor Latin, A,</i> . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Trigonometry,</i> . . . . .   | $2\frac{1}{2}-4\frac{1}{2}$  |

## TUESDAY, FEBRUARY 4.

|                                  |                              |
|----------------------------------|------------------------------|
| <i>Minor Latin, B,</i> . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Solid Geometry,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## SPRING, 1919.

## THURSDAY, MAY 29.

|                                  |                              |
|----------------------------------|------------------------------|
| <i>Minor Latin, A,</i> . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Trigonometry,</i> . . . . .   | $9\frac{1}{2}-11\frac{1}{2}$ |
| <i>Minor Latin, B,</i> . . . . . | $2\frac{1}{2}-5\frac{1}{2}$  |
| <i>Solid Geometry,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## FRIDAY, MAY 30.

|                                     |                              |
|-------------------------------------|------------------------------|
| <i>English Composition,</i> . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>English Grammar, etc.,</i> . . . | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Poets,</i> . . . . .       | $4\frac{3}{4}-5\frac{3}{4}$  |

## SATURDAY, MAY 31.

|   |                             |
|---|-----------------------------|
| <i>Algebra,</i> . . . . .                             | $9\frac{1}{2}-12$           |
| <i>Latin Poets,</i> . . . . .                         | $2\frac{1}{2}-4$            |
| <i>Greek Grammar and Com-<br/>position,</i> . . . . . | $4\frac{1}{4}-5\frac{1}{4}$ |

## AUTUMN, 1919.

## TUESDAY, SEPTEMBER 23.

|                                     |                              |
|-------------------------------------|------------------------------|
| <i>English Composition,</i> . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>English Grammar, etc.,</i> . . . | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Poets,</i> . . . . .       | $4\frac{3}{4}-5\frac{3}{4}$  |

## WEDNESDAY, SEPTEMBER 24.

|   |                             |
|---|-----------------------------|
| <i>Algebra,</i> . . . . .                             | $9\frac{1}{2}-12$           |
| <i>Latin Poets,</i> . . . . .                         | $2\frac{1}{2}-4$            |
| <i>Greek Grammar and Com-<br/>position,</i> . . . . . | $4\frac{1}{4}-5\frac{1}{4}$ |

## THURSDAY, SEPTEMBER 25.

|                                     |                              |
|-------------------------------------|------------------------------|
| <i>French,</i> . . . . .            | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>History,</i> . . . . .           | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Prose Authors,</i> . . . . | $4\frac{3}{4}-5\frac{3}{4}$  |

## FRIDAY, SEPTEMBER 26.

|                                     |                             |
|-------------------------------------|-----------------------------|
| <i>Geometry,</i> . . . . .          | $9\frac{1}{2}-12$           |
| <i>Latin Composition,</i> . . . . . | $2\frac{1}{2}-4$            |
| <i>Science,</i> . . . . .           | $4\frac{1}{4}-5\frac{3}{4}$ |

## SATURDAY, SEPTEMBER 27.

|                                     |                              |
|-------------------------------------|------------------------------|
| <i>German,</i> . . . . .            | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Latin Prose Authors,</i> . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## WEDNESDAY, OCTOBER 1.

|                                  |                              |
|----------------------------------|------------------------------|
| <i>Minor Latin, A,</i> . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Trigonometry,</i> . . . . .   | $2\frac{1}{2}-4\frac{1}{2}$  |

## THURSDAY, OCTOBER 2.

|                                  |                              |
|----------------------------------|------------------------------|
| <i>Minor Latin, B,</i> . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Solid Geometry,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## MONDAY, JUNE 2.

|                                     |                              |
|-------------------------------------|------------------------------|
| <i>French,</i> . . . . .            | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>History,</i> . . . . .           | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Prose Authors,</i> . . . . | $4\frac{3}{4}-5\frac{3}{4}$  |

## TUESDAY, JUNE 3.

|                                     |                             |
|-------------------------------------|-----------------------------|
| <i>Geometry,</i> . . . . .          | $9\frac{1}{2}-12$           |
| <i>Latin Composition,</i> . . . . . | $2\frac{1}{2}-4$            |
| <i>Science,</i> . . . . .           | $4\frac{1}{4}-5\frac{3}{4}$ |

## WEDNESDAY, JUNE 4.

|                                     |                              |
|-------------------------------------|------------------------------|
| <i>German,</i> . . . . .            | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Latin Prose Authors,</i> . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## WINTER, 1920.

## THURSDAY, JANUARY 15.

|                                     |                              |
|-------------------------------------|------------------------------|
| <i>English Composition,</i> . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>English Grammar, etc.,</i> . . . | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Poets,</i> . . . . .       | $4\frac{3}{4}-5\frac{3}{4}$  |

## FRIDAY, JANUARY 16.

|   |                             |
|---|-----------------------------|
| <i>Algebra,</i> . . . . .                             | $9\frac{1}{2}-12$           |
| <i>Latin Poets,</i> . . . . .                         | $2\frac{1}{2}-4$            |
| <i>Greek Grammar and Com-<br/>position,</i> . . . . . | $4\frac{1}{4}-5\frac{1}{4}$ |

## SATURDAY, JANUARY 17.

|                                     |                              |
|-------------------------------------|------------------------------|
| <i>French,</i> . . . . .            | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>History,</i> . . . . .           | $2\frac{1}{2}-4\frac{1}{2}$  |
| <i>Greek Prose Authors,</i> . . . . | $4\frac{3}{4}-5\frac{3}{4}$  |

## MONDAY, JANUARY 19.

|                                     |                             |
|-------------------------------------|-----------------------------|
| <i>Geometry,</i> . . . . .          | $9\frac{1}{2}-12$           |
| <i>Latin Composition,</i> . . . . . | $2\frac{1}{2}-4$            |
| <i>Science,</i> . . . . .           | $4\frac{1}{4}-5\frac{3}{4}$ |

## TUESDAY, JANUARY 20.

|                                     |                              |
|-------------------------------------|------------------------------|
| <i>German,</i> . . . . .            | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Latin Prose Authors,</i> . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## MONDAY, FEBRUARY 2.

|                                  |                              |
|----------------------------------|------------------------------|
| <i>Minor Latin, A,</i> . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Trigonometry,</i> . . . . .   | $2\frac{1}{2}-4\frac{1}{2}$  |

## TUESDAY, FEBRUARY 3.

|                                  |                              |
|----------------------------------|------------------------------|
| <i>Minor Latin, B,</i> . . . . . | $9\frac{1}{2}-12\frac{1}{2}$ |
| <i>Solid Geometry,</i> . . . . . | $2\frac{1}{2}-4\frac{1}{2}$  |

## CORPORATION.

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ASA S. WING,  
*Treasurer.*

ANNA RHOADS LADD,  
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ARTHUR PERRY.

ARTHUR FREEBORN CHACE.

## BOARD OF DIRECTORS.

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MARION REILLY.  
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ARTHUR FREEBORN CHACE.

## OFFICERS OF ADMINISTRATION.

ACADEMIC YEAR, 1916-17.

*President,*

M. CAREY THOMAS, PH.D., LL.D.

Office: Taylor Hall.

*Dean of the College,*

EUNICE MORGAN SCHENCK, PH.D.

Office: Taylor Hall.

*Recording Dean and Assistant to the President,*

ISABEL MADDISON, B.Sc., PH.D.

Office: Taylor Hall.

*Secretary and Registrar of the College,*

EDITH ORLADY,\* A.B. Office: Taylor Hall.

*Recording Secretary and Acting Secretary and Registrar,*

ABIGAIL CAMP DIMON, A.M. Office: Taylor Hall.

*Wardens of the Halls of Residence,*

MARTHA GIBBONS THOMAS, A.B., Pembroke Hall.

MARGARET BONTECOU, A.B., Denbigh Hall.

MARY FRANCES NEARING, A.B., Rockefeller Hall.

BERTHA SOPHIE EHLERS, A.B., Radnor Hall.

ALICE MARTIN HAWKINS, A.B., Merion Hall.

*Comptroller,*

SANDY LEE HURST. Office: Taylor Hall.

*Business Manager,*

LOUISE WATSON, A.B. Office: Taylor Hall.

*Assistant Business Manager,*

HELEN SOPHIA LAUTZ, A.B. Office: Taylor Hall.

*Junior Bursar,*

HARRIET JEAN CRAWFORD, A.B. Office: Cartref.

*Librarian,*

LOIS ANTOINETTE REED, A.B., B.L.S. Office: The Library.

*Director of Athletics and Gymnastics and Supervisor of Health Department,*

CONSTANCE M. K. APPLEBEE. Office: The Gymnasium.

*Physician in Chief,*THOMAS F. BRANSON, M.D. Office hours, 8.30 to 9.30 and 2 to 3 daily,  
Rosemont, Pa.*Assistant Physician,*

CAROLINE HURD LE FEVRE, M.D. Penygroes, Wyndon Avenue,

Bryn Mawr; Office hours, The Infirmary, Bryn Mawr College,

4.30 to 6 daily except Sunday.

*Examining Oculist,*HELEN MURPHY, M.D. Office hours, 2 to 4 daily, 1408 Spruce Street,  
Philadelphia.

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\* Granted leave of absence for the year 1916-17.



## ACADEMIC APPOINTMENTS.

### ACADEMIC YEAR, 1916-17.

M. CAREY THOMAS, PH.D., LL.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zürich, 1882. Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

CHARLOTTE ANGAS SCOTT, D.Sc., *Alumnae Professor of Mathematics.*

Lincoln, England. Graduate in Honours, Girton College, University of Cambridge, England, 1880; B.Sc., University of London, 1882; Lecturer on Mathematics in Girton College, 1880-84; lectured in connection with Newnham College, University of Cambridge, England, 1880-83; D.Sc., University of London, 1885.

GEORGE A. BARTON, PH.D., LL.D., *Professor of Biblical Literature and Semitic Languages.*

A.B., Haverford College, 1882, and A.M., 1885; studied under the direction of the American Institute of Hebrew, 1885-86; Harvard University, 1888-91; Thayer Scholar, Harvard University, 1889-91; A.M., Harvard University, 1890; Ph.D., Harvard University, 1891. Director of the American School of Oriental Study and Research in Palestine, 1902-03; LL.D., Haverford College, 1914.

FLORENCE BASCOM, PH.D., *Professor of Geology.*

A.B., University of Wisconsin, 1882, B.Sc., 1884, and A.M., 1887. Johns Hopkins University, 1891-93; Ph.D., Johns Hopkins University, 1893. Assistant in Geology and Instructor in Petrography, Ohio State University, 1893-95.

ISABEL MADDISON, B.Sc., PH.D., *Recording Dean and Assistant to the President.*

Reading, England. B.Sc., University of London, 1893; Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889-92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship and Student in Mathematics, University of Göttingen, 1894-95.

WILMER CAVE WRIGHT, PH.D., *Associate Professor of Greek.*

Shrewsbury, England. Girton College, University of Cambridge, England, 1888-92; Graduate in Honours, Cambridge Classical Tripos, 1892; Ph.D., University of Chicago, 1895. Fellow in Greek, Bryn Mawr College, 1892-93; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96.

JAMES H. LEUBA, PH.D., *Professor of Psychology and Education.*

Neuchâtel, Switzerland. B.S., University of Neuchâtel, 1886; Ph.D., Ursinus College, 1888; Scholar in Psychology, Clark University, 1892-93; Fellow in Psychology, Clark University, 1893-95; Ph.D., Clark University, 1896.

FONGER DEHAAN, PH.D., *Professor of Spanish.*

Leeuwarden, Holland. Ph.D., Johns Hopkins University, 1895; Instructor in Modern Languages, Lehigh University, 1885-91; Fellow in Romance Languages, Johns Hopkins University, 1893-94, Assistant in Romance Languages, 1893-95, Instructor in Romance Languages, 1895-96, and Associate in Romance Languages, 1896-97.

ARTHUR LESLIE WHEELER, PH.D., *Professor of Latin.*

A.B., Yale University, 1893; Scholar and Student in Classics, Yale College, 1893-96; Ph.D., Yale University, 1896. Instructor and Tutor in Latin, Yale College, 1894-1900.

HENRY NEVILL SANDERS, PH.D., *Professor of Greek.*

Edinburgh, Scotland. A.B., Trinity University, Toronto, 1894, and A.M., 1897; Ph.D., Johns Hopkins University, 1903. Fellow in Greek, Johns Hopkins University, 1897-98; Lecturer in Greek, McGill University, 1900-02.

**WILLIAM BASHFORD HUFF, PH.D., *Professor of Physics.***

A.B., University of Wisconsin, 1889; A.M., University of Chicago, 1896; Ph.D., Johns Hopkins University, 1900. Lecture Assistant in Physics, Johns Hopkins University, 1899-1900, Assistant in Physics, 1900-01, and Instructor in Physics, 1901-02.

**WILLIAM ROY SMITH, PH.D., *Professor of History.***

A.B., University of Texas, 1897, and A.M., 1898; Ph.D., Columbia University, 1903. Acting Professor of History and Political Science, University of Colorado, 1900-01; Lecturer in History, Barnard College, 1901-02.

**LUCY MARTIN DONNELLY, A.B., *Professor of English.***

A.B., Bryn Mawr College, 1893; University of Oxford, England, and University of Leipsic, 1893-94; Sorbonne and Collège de France, and University of Leipsic, 1894-95.

**KARL DETLEV JESSEN, PH.D., *Professor of German Literature.***

Winnemark, Schleswig-Holstein, Germany. A.B., University of Chicago, 1896, and Fellow in German, 1897-98; Ph.D., University of Berlin, 1901. University of Chicago, 1895-98; University of Kiel, 1899; University of Berlin, 1898-1901; Acting Professor of Modern Languages, Eureka College, 1896; Instructor in German, Iowa State University, 1897; Instructor in German, Harvard University, 1901-03, and Lecturer on German Literature and Aesthetics, 1904.

**TENNEY FRANK,\* PH.D., *Professor of Latin.***

A.B., University of Kansas, 1898, and A.M., 1899; Ph.D., University of Chicago, 1903. Fellow, University of Chicago, 1899-1901; Assistant and Associate in Latin, University of Chicago, 1901-04; Visiting Professor, American Academy in Rome, 1916-17.

**DAVID HILT TENNENT, PH.D., *Professor of Biology.***

S.B., Olivet College, 1900; Ph.D., Johns Hopkins University, 1904. Fellow, Johns Hopkins University, 1902-04; Bruce Fellow, Johns Hopkins University, 1904.

**CARLETON FAIRCHILD BROWN,\* PH.D., *Professor of English Philology.***

A.B., Carleton College, 1888; A.M., Harvard University, 1901, and Ph.D., 1903. Shattuck Scholar, Harvard University, 1901-03; Instructor in English, Harvard University, 1903-05.

**JAMES BARNES, PH.D., *Associate Professor and Professor (elect) of Physics.***

Halifax, Nova Scotia. B.A., Dalhousie University, Honours in Mathematics and Physics, 1899, and M.A., 1900; Ph.D., Johns Hopkins University, 1904. Holder of 1851 Exhibition Science Research Scholarship, 1900-03; Fellow, Johns Hopkins University, 1903-04, and Assistant in Physics, 1904-06; Resident Fellow, University of Manchester, 1915.

**THEODORE DE LEO DE LAGUNA, PH.D., *Professor of Philosophy.***

A.B., University of California, 1896, and A.M., 1899; Ph.D., Cornell University, 1901. Teacher in the Government Schools of the Philippine Islands, 1901-04; Honorary Fellow and Assistant in Philosophy, Cornell University, 1904-05; Assistant Professor of the Philosophy of Education, University of Michigan, 1905-07.

**MARION PARRIS SMITH, PH.D., *Professor of Economics.***

A.B., Bryn Mawr College, 1901, and Ph.D., 1908. Graduate Student, Bryn Mawr College, 1902-05, Fellow in Economics and Politics, 1905-06; Bryn Mawr College Research Fellow and Student in Economics and Politics, University of Vienna, 1906-07.

**CLARENCE ERROL FERREE, PH.D., *Associate Professor and Professor (elect) of Experimental Psychology and Director of the Psychological Laboratory.***

B.S., Ohio Wesleyan University, 1900, A.M., 1901, and M.S., 1902; Ph.D., Cornell University, 1909. Fellow in Psychology, Cornell University, 1902-03; Assistant in Psychology, Cornell University, 1903-07.

**AGATHE LASCH,† PH.D., *Associate Professor of Teutonic Philology.***

Berlin, Germany. Ph.D., University of Heidelberg, 1909. Student, University of Halle, 1906-07; University of Heidelberg, 1907-10. State Examination *pro facultate docendi*, Karlsruhe, 1910.

**GRACE MEAD ANDRUS DE LAGUNA, PH.D., *Associate Professor of Philosophy.***

A.B., Cornell University, 1903, and Ph.D., 1906. Sage Scholar in Philosophy, Cornell University, 1903-05; Alice Freeman Palmer Fellow of Wellesley College, 1905-06; Reader in Philosophy, Bryn Mawr College, 1907-08.

\* Granted leave of absence for the year 1916-17.

† Granted leave of absence for the duration of the war.

REGINA KATHARINE CRANDALL, PH.D., *Associate in English.*

A.B., Smith College, 1890; Ph.D., University of Chicago, 1902. Graduate Student, University of Chicago, 1893-94, and Fellow in History, 1894-96; Assistant in History, Smith College, 1896-99; Instructor in History, Wellesley College, 1899-1900.

EDITH ORLADY,\* A.B., *Secretary and Registrar of the College.*

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, Bryn Mawr College, 1903-06, 1907-09, Recording Secretary, 1910-12.

JAMES FULTON FERGUSON, PH.D., *Associate Professor of Ancient History and Latin.*

A.B., Monmouth College, 1903; A.B., Yale University, 1906, A.M., 1907, and Ph.D., 1912. Fellow, Yale University, 1906-09; Instructor in Williams College, 1909-10. Instructor in Greek and Latin, Yale College, 1910-12.

THOMAS CLACHAR BROWN, PH.D., *Associate Professor of Geology.*

A.B., Amherst College, 1904; A.M., Columbia University, 1905, and Ph.D., 1909. Assistant in Paleontology, Columbia University, 1905-07; Geologist to the Board of Water Supply of New York City, 1907-09; Assistant Professor of Geology, Middlebury College, 1909-11; Non-resident Lecturer in Geology, Norwich University, 1909; Assistant Professor of Geology, The Pennsylvania State College, 1911-12.

ROGER FREDERIC BRUNEL, PH.D., *Associate Professor and Professor (elect) of Chemistry.*

A.B., Colby University, 1903; Ph.D., Johns Hopkins University, 1906. Lecture Assistant in Chemistry, Johns Hopkins University, 1906-07; Instructor in Chemistry, Syracuse University, 1907-10, and Assistant Professor of Chemistry, 1910-12.

MATILDE CASTRO, PH.D., *Phebe Anna Thorne Associate Professor and Professor (elect) of Education and Director of the Phebe Anna Thorne Model School.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the High School, Morris, Ill., 1901-03; Instructor in Philosophy, Mount Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12.

GERTRUDE RAND, PH.D., *Associate in Experimental and Educational Psychology.*

A.B., Cornell University, 1908; Ph.D., Bryn Mawr College, 1911. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, 1911-12, Fellow in Philosophy, 1909-10, Fellow in Psychology, 1910-11, and Sarah Berliner Research Fellow, 1912-13.

EUNICE MORGAN SCHENCK, PH.D., *Dean of the College and Associate Professor of Modern French Literature.*

A.B., Bryn Mawr College, 1907, and Ph.D., 1913. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1909-10, and Fellow in Romance Languages, 1912-13; President's European Fellow and Student, the Sorbonne, Collège de France, University of Grenoble, and in Madrid, 1910-12.

SAMUEL CLAGGETT CHEW, PH.D., *Associate Professor of English Literature.*

A.B., Johns Hopkins University, 1909, and Ph.D., 1913. Fellow, Johns Hopkins University, 1910-12; English Master, Hotchkiss School, Lakeville, Conn., 1913-14.

JEAN BAPTISTE BECK, PH.D., *Associate Professor of Mediæval French Literature.*

Guebwiller, Alsace. Baccalaureate in Rhetoric, Sorbonne, 1900; Baccalaureate in Philosophy, Sorbonne, 1901; Ph.D., University of Strassburg, 1907; State Examination *pro facultate docendi*, 1908. Professor of Latin and German in the Ecole Alsacienne, Paris, 1909; Director of Advanced Courses for Teachers in Gymnasias, University of Vienna, 1910; Professor of French Literature, Wiener Handels-Akademie, 1910; Assistant Professor of Romance Languages, University of Illinois, 1911-14; Instructor in Romance Languages and Literatures, University of Chicago, Summer Quarter, 1912.

\* Granted leave of absence for the year 1916-17.



SUSAN MYRA KINGSBURY, PH.D., *Carola Woerishoffer Professor of Social Economy and Director of the Carola Woerishoffer Department of Social Research.*

A.B., College of the Pacific, 1890; A.M., Leland Stanford Jr. University, 1899; Ph.D., Columbia University, 1905. University Fellow, Columbia University, 1902-03; Holder of the European Fellowship of the Women's Education Association, Boston, Mass., 1903-04; Instructor in History, Vassar College, 1904-05; Director of Investigation, Massachusetts Commission on Industrial and Technical Education, 1905-06; Instructor in History and Economics and Head of Departments, Simmons College, 1906-07; Assistant, Associate, and Professor in Economics, Simmons College and Director of the Department of Research, Women's Educational and Industrial Union, Boston, 1907-15.

ALBERT EDWIN AVEY, PH.D., *Associate in Philosophy.*

A.B., Yale University, 1908, A.M., 1909, and Ph.D., 1915. Graduate Student, Yale University, 1908-09, 1913-15; University of Berlin, 1912-13; Assistant in Psychological Laboratory, Yale University, 1913-14, and Lecturer in Elementary Logic, Yale University, Spring Term, 1913-14.

GEORGIANA GODDARD KING, A.M., *Professor of the History of Art.*

A.B., Bryn Mawr College, 1896, and A.M., 1897. Fellow in Philosophy, Bryn Mawr College, 1896-97, and Fellow in English, 1897-98; Collège de France, First Semester, 1898-99.

RHYS CARPENTER, PH.D., *Associate Professor of Classical Archæology.*

A.B., Columbia University, 1909, and Ph.D., 1916; B.A., University of Oxford, 1911, and M.A., 1914. Rhodes Scholar and Student, Balliol College, University of Oxford, 1908-11; Drieler Fellow in Classics, Columbia University, 1911-13; Student, American School of Classical Studies in Athens, 1912-13.

CHARLES GHEQUIERE FENWICK, PH.D., *Associate Professor of Political Science.*

A.B., Loyola College, 1907; Ph.D., Johns Hopkins University, 1912. Student of Political Science, Johns Hopkins University, 1909-11; Law Clerk, Division of International Law in the Carnegie Endowment for International Peace, 1911-14; University of Freiburg, Summer, 1913; Lecturer on International Law, Washington College of Law, 1912-14.

JAMES MILLER LEAKE, PH.D., *Associate in History.*

A.B., Randolph-Macon College, 1902; Ph.D., Johns Hopkins University, 1914. Instructor in French and English, Randolph-Macon College, 1901-03; Principal of Ashland High School, Ashland, Va., 1909-11; Johns Hopkins University, 1911-14; University Fellow, Johns Hopkins University, 1913-14.

HOWARD LEVI GRAY, PH.D., *Professor of History.*

A.B., University of Rochester, 1897; A.B., Harvard University, 1898, A.M., 1900, and Ph.D., 1907. Instructor in History, Harvard University, 1909-13, and Assistant Professor of History, 1914-15.

JAMES LLEWELLYN CRENSHAW, PH.D., *Associate in Physical Chemistry.*

A.B., Centre College, 1907, and A.M., 1908; Ph.D., Princeton University, 1911. Assistant Chemist in the Geo-Physical Laboratory of the Carnegie Institution, Washington, D. C., 1910-15.

HOWARD JAMES SAVAGE, PH.D., *Associate Professor of Rhetoric and Director of the Work in English Composition.*

A.B., Tufts College, 1907; A.M., Harvard University, 1909, and Ph.D., 1915. Instructor in English, Tufts College, 1908-11; Instructor in English, Harvard University, 1911-13, and at Radcliffe College, 1911-15; Graduate Student, Harvard University, 1908-09; 1913-15; Instructor in the Harvard Summer School, 1912, 1913, 1914, 1915.

OLIVE C. HAZLETT, PH.D., *Associate in Mathematics.*

A.B., Radcliffe College, 1912; S.M., University of Chicago, 1913, and Ph.D., 1915. Fellow in Mathematics, University of Chicago, 1913-15; Holder of the Fellowship of the Boston Branch of the Association of Collegiate Alumnae, 1914-15; Alice Freeman Palmer Fellow (elect) of the Association of Collegiate Alumnae 1915-17; Alice Freeman Palmer Fellow of Wellesley College, 1915-16, and Fellow (elect) 1916-17.

CHARLES DOMINIQUE VATAR, LICENCIÉ-ÈS-LETTRES, *Associate in French.*

Rennes, France. Bachelier-ès-lettres et ès-sciences, University of Rennes, 1910, and Licencié-ès-lettres, 1914. University of Lille, 1911-13; University of Rennes, 1913-15; University of London, 1915-16.



- SAMUEL ARTHUR KING, M.A., *Non-resident Lecturer in English Diction*.  
Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Public Speaking, Johns Hopkins University, 1901; Special Lecturer in Speech, University of California, 1902.
- THOMAS DE COURSEY RUTH,\* Ph.D., *Lecturer in Latin*.  
A.B., Johns Hopkins University, 1906, and Ph.D., 1916. Hopkins Scholar, Johns Hopkins University, 1907-09, Fellow in Latin, 1910-11, Fellow by Courtesy in Latin, 1911-12, 1915-16; Master in Latin, Gilman Country School, Baltimore, 1909-10; Instructor in Latin, Johns Hopkins University, Summer School, 1912; Instructor in Classics, Princeton University, 1912-15.
- HOWARD ROLLIN PATCH,† Ph.D., *Lecturer in English Philology*.  
A.B., Hobart College, 1910; A.M., Harvard University, 1912, and Ph.D., 1915. Assistant in English, Harvard University, 1912-13; John Harvard Fellow, 1912-15; Instructor in English, Harvard University and Radcliffe College, 1915-16.
- EDWARD CARROLL DAY, Ph.D., *Lecturer in Physiology*.  
A.B., Hamilton College, 1907; A.M., Harvard University, 1908, and Ph.D., 1911. Travelling Fellow in Zoology of Harvard University and Research Student in the Universities of Bonn, Freiburg, and Berlin, and in the Zoological Station, Naples, 1911-13, Instructor in Zoology and Physiology, Syracuse University, 1913-16.
- EDWARD HENRY SEHRT,‡ Ph.D., *Lecturer in Teutonic Philology*.  
A.B., Johns Hopkins University, 1911, and Ph.D., 1915. Fellow, Johns Hopkins University, 1912-13, and Fellow by Courtesy, 1914-15; Student, University of Leipzig, 1913-14; Instructor in Modern Languages, Delaware College, 1915-16.
- MARY HAMILTON SWINDLER, Ph.D., *Instructor in Latin and Instructor and Demonstrator in Classical Archaeology*.  
A.B., University of Indiana, 1905, and A.M., 1906; Ph.D., Bryn Mawr College, 1912. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Mary E. Garrett European Fellow and Student, Universities of Berlin and Oxford and the American School of Classical Studies in Athens, 1909-10; Teacher in the Misses Shipley's School, Bryn Mawr, 1910-11, and in Miss Wright's School, Bryn Mawr, 1911-12.
- ESTHER CLOUDMAN DUNN, A.B., *Instructor in English*.  
A.B., Cornell University, 1913.
- EDITH CHAPIN CRAVEN, A.B., *Instructor in English*.  
A.B., Bryn Mawr College, 1899. Graduate Student, Bryn Mawr College, 1899-1900.
- ELLEN ELIZABETH HILL, B.L., *Instructor in English*.  
B.L., Smith College, 1891.
- ANGIE LILLIAN KELLOGG, A.M., *Instructor in Social Economy and Social Research*.  
A.B., Vassar College, 1903, and A.M., 1904. Resident Fellow, Vassar College, 1903-04; Teacher of English, Schenectady High School, N. Y., 1904-10; Law Student, 1910-11; Fellow in Philosophy, Bryn Mawr College, 1911-13, and Graduate Scholar and Fellow by Courtesy, 1913-14; Holder of Mary Richardson and Lydia Pratt Babbott Fellowship of Vassar College, 1913-14; awarded A. C. A. European Fellowship for 1914-15; Probation Officer for Girls in Watertown, N. Y., Agent for S. P. C. C. Society of Jefferson Co., N. Y., and Superintendent of Bureau of Charities, Watertown, N. Y., summer of 1912; Officer at Bedford Reformatory, N. Y., summer of 1913; Jefferson County Agent for Dependent and Delinquent Children, 1914-16; Research Field Worker for the New York School of Philanthropy, January to May, 1916.
- ANNA CHRISTINE MCBRIDE, A.M., *Instructor in Economics and Statistics and Statistical Secretary in the Carola Woerishoffer Department of Social Economy and Social Research*.  
A.B. and B.S., University of Missouri, 1912, and A.M., 1913. Problem Reader in Mathematics, University of Missouri, 1910-13; Teacher of Mathematics in the Preparatory High School of the University of Missouri, 1911-12; Graduate Scholar in Mathematics University of Missouri, 1912-13 and in Sociology, 1913-14; Graduate Student, Columbia University, 1914-16.

\* Appointed as substitute for Professor Tenney Frank in 1916-17.

† Appointed as substitute for Professor Carleton Fairchild Brown in 1916-17.

‡ Appointed as substitute for Professor Agathe Lasch for the duration of the war.

**ABBY KIRK, A.B.,** *Reader in Elementary Greek.*

A.B., Bryn Mawr College, 1892. Reader in English, Bryn Mawr College, 1892-98; Associate Principal and Teacher of English and Classics in the Misses Kirk's School, Bryn Mawr, 1899-1916.

**ELLEN THAYER, A.B.,** *Reader in French.*

A.B., Bryn Mawr College, 1907. The Sorbonne, Paris, 1909-11. Teacher of French in Wolfe Hall, Denver, Colo., 1911-12.

**HELEN HUSS PARKHURST, A.M.,** *Reader and Demonstrator in the History of Art.*

A.B., Bryn Mawr College, 1911, and A.M., 1913. Teacher of English and History in the Dwight School, Englewood, N. J., 1911-12; Graduate Scholar in Philosophy, Bryn Mawr College and Tutor in English, 1912-13; President's European Fellow and Student, University of Cambridge and the Sorbonne, 1913-14; Fellow in Philosophy, Bryn Mawr College, 1914-15; Honorary Fellow in Philosophy, Johns Hopkins University, 1915-16.

**RUTH PERKINS, A.M.,** *Reader in Elementary German.*

A.B., Wellesley College, 1912; A.M., Radcliffe College, 1913. Assistant in German and Latin in the High School, Belchertown, Mass., 1913-14; Graduate Scholar in German, Bryn Mawr College, 1914-15, and Fellow in German, 1915-16.

**JANE MARION EARLE, Reader in Mathematics.**

Croydon, England. Newnham College, Cambridge, 1907-10; Mathematical Tripos, Part 1, 1908, Part 2, 1910. Training College for Women, Cambridge, 1910-11. British Graduate Scholar, Bryn Mawr College, 1915-17.

**MARY EDITH PINNEY, A.M.,** *Demonstrator in Biology.*

A.B., University of Kansas, 1908, and A.M., 1910. Teaching Fellow in Zoology, University of Kansas, 1909-10, and High School Instructor, Alma, Kans., 1908-09; Fellow in Biology, Bryn Mawr College, 1910-11; President's European Fellow and Student, Universities of Bonn and Heidelberg and Zoological Station, Naples, 1911-12; Instructor in Zoology, University of Kansas, 1912-13; Graduate Student, Bryn Mawr College, 1913-17.

**EDITH HAMILTON LANMAN, A.M.,** *Demonstrator in Chemistry.*

A.B., Radcliffe College, 1914; A.M., University of California, 1915. Graduate Student, University of California, 1914-15.

**SUE AVIS BLAKE, A.M.,** *Demonstrator in Physics.*

A.B., Bryn Mawr College, 1898, and A.M., 1900. Demonstrator and Graduate Student in Physics, Bryn Mawr College, 1898-99, and 1904-06, and Fellow in Physics, 1906-07; Graduate Student, Bryn Mawr College, and Teacher of Mathematics and Science in the Misses Shipley's School, Bryn Mawr, 1899-1900; Assistant in Physics, Smith College, 1900-02, 1903-04; Fellow in Physics, University of Pennsylvania, 1907-08; Instructor in Physics, Smith College, 1910-15.

**LOIS ANTOINETTE REED, A.B., B.L.S.,** *Librarian.*

A.B., University of Illinois, 1909; B.L.S., New York State Library School, 1904. Librarian, The Western College, Oxford, Ohio, 1905-07; Cataloguer and Order Department Assistant, Library of the University of Illinois, 1907-10; Assistant Librarian, University of Rochester, 1910-13.

**HELEN COREY GEDDES, A.B., B.S.,** *Head Cataloguer.*

A.B., Radcliffe College, 1905; B.S., Simmons College, 1910. Library Assistant, University of Illinois, 1910-12.

**SARAH WOOSTER ENO, A.B.,** *Circulation and Reference Librarian.*

A.B., University of Illinois, 1908. Cataloguer, Library of the University of Pennsylvania, 1909-10; Librarian, Stetson University, 1910-12.

**MARY LOUISE TERRIEN, A.B.,** *Assistant to the Circulation and Reference Librarian.*

A.B., Smith College, 1905. Simmons College Library School, Boston, Mass., 1914-15.

**CONSTANCE M. K. APPLEBEE, Director of Athletics and Gymnastics and Supervisor of Health Department.**

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire,

1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mount Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906.

HELEN REED KIRK, A.B., *Assistant Director of Athletics and Gymnastics*.  
A.B., Bryn Mawr College, 1914. Teacher of Latin, History, and Athletics in the Holman School, Philadelphia, 1914-16.

### ADMINISTRATIVE AND EXECUTIVE APPOINTMENTS.

M. CAREY THOMAS, PH.D., LL.D., *President of the College and Professor of English*.

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipzig, 1879-82; Ph.D., University of Zürich, 1882. Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

EUNICE MORGAN SCHENCK, PH.D., *Dean of the College and Associate Professor of Modern French Literature*.

A.B., Bryn Mawr College, 1907, and Ph.D., 1913. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1909-10, and Fellow in Romance Languages, 1912-13; President's European Fellow and Student, the Sorbonne, Collège de France, University of Grenoble, and in Madrid, 1910-12.

ISABEL MADDISON, B.Sc., PH.D., *Recording Dean and Assistant to the President*.

Reading, England. B.Sc., University of London, 1893; Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889-92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship and Student in Mathematics, University of Göttingen, 1894-95.

EDITH ORLADY,\* A.B., *Secretary and Registrar of the College*.

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, Bryn Mawr College, 1903-06, 1907-09; Recording Secretary, 1910-12.

ABIGAIL CAMP DIMON, A.M., *Recording Secretary and Acting Secretary and Registrar of the College*.

A.B., Bryn Mawr College, 1896, and A.M., 1899. Vice-Principal of the High School, Clinton, N. Y., 1896-97; Assistant Teacher of English in the Utica Academy, 1897-98; Graduate Student, Bryn Mawr College, 1898-99; Tutor, 1900-01; Graduate Student and Warden of Radnor Hall, Bryn Mawr College, 1901-04; Teacher of Science in the Balliol School, Utica, 1904-05, and of Science and Mathematics, 1905-08; Teacher in the New School, Utica, 1908-09; Demonstrator in Biology, Bryn Mawr College, 1911, and Reader in Biology, 1911-12.

SANDY LEE HURST, *Comptroller*.

LOUISE WATSON, A.B., *Business Manager*.

A.B., Bryn Mawr College, 1912. Teacher in Marshall College, Huntington, W. Va., 1913-14.

HELEN SOPHIA LAUTZ, A.B., *Assistant Business Manager*.

A.B., Bryn Mawr College, 1912. Teacher in Friends' Academy, Moorestown, N. J., 1912-16.

JOHN J. FOLEY, *Superintendent of Mechanical Equipment*.

GEORGE C. CHANDLER, *Superintendent of Buildings and Grounds*.

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\* Granted leave of absence for the year 1916-17.



## HALLS OF RESIDENCE.

MARTHA GIBBONS THOMAS, A.B., *Warden of Pembroke Hall*.  
A.B., Bryn Mawr College, 1889.

MARGARET BONTECOU, A.B., *Warden of Denbigh Hall*.

A.B., Bryn Mawr College, 1909. Bryn Mawr European Fellow, 1909-10; Student, Universities of Munich and Oxford, 1910-11; Settlement Worker, Orange Social Settlement, 1912-13; Private Tutor and Secretary, 1913-14.

MARY FRANCES NEARING, A.B., *Warden of Rockefeller Hall*.

A.B., Bryn Mawr College, 1909. Teacher of English in St. Margaret's School, Waterbury, Conn., 1910-11; Secretary and Athletic Director, Miss Walker's School, Lakewood, N. J., 1911-13; Social Service Worker, Philadelphia, 1913-14.

BERTHA SOPHIE EHLERS, A.B., *Warden of Radnor Hall*.

A.B., Bryn Mawr College, 1909. Teacher of German in the Agnes Irwin School, Philadelphia, 1910-14; Reader in Elementary German, Bryn Mawr College, 1912-13.

ALICE MARTIN HAWKINS, A.B., *Warden of Merion Hall*.

A.B., Bryn Mawr College, 1907. Teacher in Miss Robins's School, Philadelphia, 1907-08, and in the Friends' School, Germantown, 1908-09.

HARRIET JEAN CRAWFORD, A.B., *Junior Bursar*.

A.B., Bryn Mawr College, 1902. Chairman of Sectional School Board, 35th Ward, Philadelphia, 1910-16; Warden of Rockefeller Hall, Bryn Mawr College, 1907-11.

## HEALTH DEPARTMENT APPOINTMENTS.

In cooperation with the President of the College, the Dean of the College, and the Supervisor of the Health Department:

THOMAS F. BRANSON, M.D., *Physician in Chief*.

A.B., Haverford College, 1889; M.D., University of Pennsylvania, 1892. Attending Physician, Bryn Mawr Hospital.

CAROLINE HURD LE FEVRE, M.D., *Associate Physician of the College*.

M.D., Women's Medical College of the New York Infirmary, 1897. Demonstrator in Anatomy and Physiology in the Women's Medical College of the New York Infirmary, 1897-99, and Attending Surgeon in the Gynecological Department, 1903-06; Lecturer in Hygiene in Pratt Institute, Brooklyn, N. Y., 1906-16, and in Adelphi College, Brooklyn, 1911-12; Practicing Physician in Brooklyn, 1899-1916.

HELEN MURPHY, M.D., *Examining Oculist*.

M.D., Woman's Medical College of Pennsylvania, 1893; Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97.

The following physicians have consented to serve as consultants:

THOMAS McCRAE, M.D., F.R.C.P., 1627 Spruce Street, Philadelphia, *Consulting Physician*.

GEORGE DE SCHWEINITZ, M.D., 1705 Walnut Street, Philadelphia, *Consultant Oculist*.

ROBERT G. LE CONTE, M.D., 1625 Spruce Street, Philadelphia, *Consultant Surgeon*.

FRANCIS R. PACKARD, M.D., 302 South Nineteenth Street, Philadelphia, *Consultant Aurist and Laryngologist*.

JAMES K. YOUNG, M.D., 222 South Sixteenth Street, Philadelphia, *Consultant Orthopædist*.

G. G. DAVIS, M.D., 1814 Spruce Street, Philadelphia, *Consultant Orthopædist*.



## ADMINISTRATIVE AND EXECUTIVE MANAGERS AND ASSISTANTS.

BESSIE HOMER JENNINGS, *Assistant Cataloguer.*

Graduate, Drexel Institute Library School, 1900.

MERCER WATSON, *Assistant to the Librarian.*

ANNA CHRISTINE MCBRIDE, A.M., *Statistical Secretary in the Carola Woerishoffer Department of Social Research.*

A.B. and B.S., University of Missouri, 1912, and A.M., 1913. Problem Reader in Mathematics, University of Missouri, 1910-13; Teacher of Mathematics in the Preparatory High School of the University of Missouri, 1911-12; Graduate Scholar in Mathematics, University of Missouri, 1912-13, and in Sociology, 1913-14; Graduate Student, Columbia University, 1914-16.

FRIEDA SEGELKE MILLER, A.B., *Research Assistant in the Carola Woerishoffer Department of Social Research.*

A.B., Milwaukee-Downer College, 1911. Graduate Student, University of Chicago, 1911-15.

MARY WARREN TAYLOR, *Secretary to the Department of Athletics and Gymnastics and Recording Secretary to the Health Department.*

GENEVIEVE ESTELLE POTTER, *Bookkeeper and Assistant to the Comptroller.*

MABEL GRAY THOMAS, *Stenographer and Assistant Bookkeeper in the Comptroller's Office.*

MARY MINOR WATSON TAYLOR, A.B., *Secretary to the Dean of the College.*

A.B., Bryn Mawr College, 1911. Teacher of Mathematics, Physics, and Latin in Miss Morris's School, Richmond, Va., 1911-12; Secretary to the Dean and Assistant Registrar, Westhampton College, 1914-16.

MARION CLEMENTINE KLEPS, A.B., *Assistant to the Recording Secretary.*

A.B., and Bryn Mawr European Fellow, Bryn Mawr College, 1916.

ANNE WHITE GALBRAITH, A.M., *Assistant in the Office of the Recording Dean.*

A.B., Bucknell University, 1907 and A.M., 1908. Student, Paris, summer, 1909, Munich, summer, 1912, and University of Wisconsin, summer, 1913. Teacher of French, Stetson University, De Land, Florida, 1907-10; Teacher of Greek and Latin, and Head of Department of Modern Languages, Williamsport High School, 1910-14; Secretarial and Editorial Work, The Pennsylvania State College, 1915-16; Graduate Student, Bryn Mawr College, 1916-17.

EDITH HAMILTON LANMAN, A.M., *Manager of Dalton Hall.*

A.B., Radcliffe College, 1914; A.M., University of California, 1915. Graduate Student, University of California, 1914-15.

## DEPARTMENT OF EDUCATION.

### PHEBE ANNA THORNE MODEL SCHOOL.

MATILDE CASTRO, Ph.D., *Director and Teacher of English and History.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the Morris High School, Morris, Ill. 1901-03; Instructor in Philosophy, Mount Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12. Phebe Anna Thorne Associate Professor and Professor (elect) of Education, Bryn Mawr College.

FLORENCE NICE BECKLEY, A.B., *Secretary of the School.*

A.B., Vassar College, 1907. Simmons College, 1909-10. Secretary to the President, Newton Theological Institution, 1910-14.

SAMUEL ARTHUR KING, M.A., *Teacher of Reading.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Public Speaking, Johns Hopkins University, 1901; Special Lecturer in Speech, University of California, 1902. Non-Resident Lecturer in English Diction, Bryn Mawr College.

PLACIDO DE MONTOLIU, *Teacher of Jaques-Dalcroze Eurythmics (Singing, Dancing).*

Graduate of the Jaques-Dalcroze College of Rhythmic Training, Hellerau, Germany.

CONSTANCE M. K. APPLEBEE, *Teacher of Gymnastics and Sports and Games.*  
Director of Gymnastics and Athletics, Bryn Mawr College.

MARY HAMILTON SWINDLER, Ph.D., *Teacher of Latin.*

A.B., University of Indiana, 1905, and A.M., 1906; Ph.D., Bryn Mawr College, 1912. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Mary E. Garrett European Fellow and Student, Universities of Berlin and Oxford and the American School of Classical Studies in Athens, 1909-10; Teacher in the Misses Shipley's School, Bryn Mawr, 1910-11, and in Miss Wright's School, Bryn Mawr, 1911-12. Instructor in Latin and Classical Archaeology, Bryn Mawr College.

GERTRUDE RAND, Ph.D., *Psychologist to the Phebe Anna Thorne Model School.*

A.B., Cornell University, 1908; Ph.D., Bryn Mawr College, 1911. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, 1911-12, Fellow in Philosophy, 1909-10, Fellow in Psychology, 1910-11, and Sarah Berliner Research Fellow, 1912-13. Associate in Educational and Experimental Psychology, Bryn Mawr College.

ELLEN THAYER, A.B., *Teacher of French.*

A.B., Bryn Mawr College, 1907. The Sorbonne, Paris, 1909-11. Teacher of French in Wolfe Hall, Denver, Colo., 1911-12. Reader in French, Bryn Mawr College.

CHRISTINE POTTS HAMMER, A.M., *Teacher of English.*

A.B., Bryn Mawr College, 1912; A.M., Cornell University, 1916. Reader in English, Bryn Mawr College, 1913-15; Graduate Scholar in English, Cornell University, 1915-16.

MYRTLE VAN WYE, A.M., *Teacher of Mathematics.*

A.B., Mount Holyoke College, 1914, and A.M., Radcliffe College, 1915. Graduate Student, Radcliffe College, 1914-15; Graduate Scholar, Radcliffe College, 1915-16.

MABEL PAULINE WOLFF, A.M., *Teacher of History.*

A.B., Barnard College, 1905, and A.M., Columbia University, 1915. Teacher, Public School, Patton, Pa., 1905-06; Allentown College for Women, 1906-07; Paulsboro High School, Gloucester City, N. J., 1907-11; Washington Seminary, Washington, Pa., 1911-14; Leominster High School, Leominster, Mass., 1915-16.

JEAN A. CROSS, A.B., *Teacher of Elementary Science.*

A.B., Wellesley College, 1909. Teacher, Miss Wellington's School, Arlington, Mass., 1909-10; Fairview Garden School, Yonkers, N. Y., 1910-12; Nature Study Teacher, Yonkers Training School for Teachers, 1910-15; Garden Director, Boston Social Union, summers of 1910 and 1911; Assistant Curator, Brooklyn Botanic Garden, 1915-16.

JEANNE CHÉRON, LICENCIÉE-ÈS-LETTRES, *Teacher of French.*

Paris, France. Licenciée-ès-lettres, University of Paris, 1908. Instructor in French, Wellesley College, 1909-11; Teacher in Miss Chamberlayne's School, Boston, 1911-15, and in Madame Rieffel's School, Rosemont, Pa., 1915-16.

IRENE ROBERTS, *Teacher of Drawing and Modelling.*

Student in the Normal Art and Manual Training Course, and General Art Course, Pratt Institute, 1908-10. Teacher of Drawing and Handwork, Rutgers' Elementary School, New Brunswick, N. J., 1910-12; Teacher of Drawing, Handwork, and the History of Art, The Scudder School for Girls, New York City, 1912-16.

RUTH PERKINS, A.M., *Teacher of German.*

A.B., Wellesley College, 1912; A.M., Radcliffe College, 1913. Assistant in German and Latin in the High School, Belchertown, Mass., 1913-14; Graduate Scholar in German, Bryn Mawr College, 1914-15; and Fellow in German, 1915-16; Reader in German, Bryn Mawr College.

*The Academic Committee of the Alumna.*

- CORNELIA VAN WYCK HALSEY, A.B. (Mrs. Frederic Rogers Kellogg),  
(*ex-officio*), 31 Boyken Street, MORRISTOWN, N. J.
- PAULINE DOROTHEA GOLDMARK, A.B. (Chairman), 270 West 94th Street,  
NEW YORK CITY.
- ELLEN DEBORAH ELLIS, PH.D., Mt. Holyoke College, SOUTH HADLEY,  
MASS.
- ELIZABETH SHEPLEY SERGEANT, A.B., 4 Hawthorne Road, BROOKLINE,  
MASS.
- ESTHER LOWENTHAL, PH.D., 10 West Street, NORTHAMPTON, MASS.
- FRANCES AMELIA FINCKE, A.B. (Mrs. Learned Hand), 142 East 65th  
Street, NEW YORK CITY.
- FRANCES BROWNE, A.B., 15 East Tenth Street, NEW YORK CITY.
- HELEN EMERSON, A.B., 162 Blackstone Boulevard, PROVIDENCE, R. I.

*Honorary Corresponding Secretaries.*

*The following honorary corresponding secretaries, all of whom are graduates of Bryn Mawr College, have kindly consented to act as representatives of the college in the cities in which they live, and will at any time be glad to answer questions about the college.*

- NEW YORK CITY: MRS. LEARNED HAND, 142 East 65th Street.
- BALTIMORE: MRS. ANTHONY MORRIS CAREY, 1004 Cathedral Street.
- PITTSBURGH, PA.: MRS. ALEXANDER JOHNSTON BARRON, Glen Osborne, Pa.
- UTICA, N. Y.: MRS. ARTHUR PERCY SAUNDERS, Clinton, N. Y.
- NEW HAVEN, CONN.: MRS. CHARLES MCLEAN ANDREWS, 424 St. Roman Street.
- FARMINGTON, CONN.: MRS. HERBERT KNOX SMITH.
- BOSTON, MASS.: MRS. INGERSOLL BOWDITCH, 19 Buckingham Street, Cambridge.
- FALL RIVER, MASS.: MRS. RANDALL NELSON DUFEE, 19 Highland Avenue.
- CHICAGO, ILL.: MRS. JAMES FOSTER PORTER, Hubbard Woods, Ill.
- INDIANAPOLIS, IND.: MRS. FRANK NICHOLS LEWIS, 42 East 32nd Street.
- MADISON, WIS.: MRS. MOSES STEPHEN SLAUGHTER, 633 Francis Street.
- MINNEAPOLIS, MINN.: MRS. HAROLD OLNEY HUNT, 22 West 25th Street.
- ST. LOUIS, MO.: MRS. GEORGE GELLHORN, 4366 McPherson Avenue.
- PORTLAND, ORE.: MRS. HENRY MINOR ESTERLY, 499 East 25th Street, North.
- SOUTH PASADENA, CAL.: MISS ELIZABETH DANA MARBLE, 1313 Garfield Avenue.
- SALT LAKE CITY, UTAH: MISS KATE WILLIAMS, 177 13th East Street.
- ENGLAND: THE HON. MRS. BERTRAND RUSSELL, 11 St. Leonard's Terrace, Chelsea, London.



## STUDENTS.

### *Fellows and Graduate Students, Academic Year, 1916-17.*

ELIZABETH BEATRICE DAW,\*.....*Mary E. Garrett European Fellow.*  
Spottswood, N. J. A.B., Vassar College, 1909, and A.M., University of Pennsylvania,  
1910. Reader in English, Bryn Mawr College, 1912-14; Fellow in English, 1914-15;  
Fellow by Courtesy and Scholar in English, 1915-16.

HELEN MORNINGSTAR,\*.....*President's European Fellow.*  
Columbus, O. A.B., Ohio State University, 1913, and A.M., 1915. Teaching Fellow in  
English, Ohio State University, 1913-15; Fellow in Geology, Bryn Mawr College,  
1915-16, and Scholar in Geology and Fellow by Courtesy, 1916-17.

LOUISE ELIZABETH WHETENHALL ADAMS,.....*Special European Fellow.*  
Brooklyn, N. Y. A.B., Barnard College, 1914, and A.M., 1915. Graduate Student,  
Columbia University, 1914-15. Graduate Scholar in Greek, Bryn Mawr College,  
1915-16; Student in the American Academy in Rome, 1916-17.

RUTH PERKINS,\**Ottendorfer Memorial Research Fellow in Teutonic Philology.*  
Abington, Mass. A.B., Wellesley College, 1912; A.M., Radcliffe College, 1913. Assist-  
ant in German and Latin in the High School, Belchertown, Mass., 1913-14; Graduate  
Scholar in German, Bryn Mawr College, 1914-15; Fellow in German, 1915-16, and  
Reader in German, 1916-17.

MARIAN CLEMENTINE KLEPS,\*.....*Bryn Mawr European Fellow.*  
Philadelphia. A.B., Bryn Mawr College, 1916. Trustees' Philadelphia Girls' High  
School Scholar, 1912-16; James E. Rhoads Sophomore and Special Scholar, 1913-14;  
Anna Hallowell Memorial Scholar, 1914-15; Maria L. Eastman Brooke Hall Memorial  
Scholar, 1915-16; Assistant to the Recording Secretary, Bryn Mawr College, 1916-17.

LILLIAN ROSANOFF,.....*Helen Schaeffer Huff Memorial Research Fellow.*  
New York City. A.B., Barnard College, 1908; A.M., Columbia University, 1911; Ph.D.,  
Clark University, 1914. Teacher of Mathematics in Hunter College, 1908-10, and in  
New York City High Schools 1910-12, and 1914-15; Helen Schaeffer Huff Memorial  
Research Fellow, Bryn Mawr College, 1915-16.

MARION EDWARDS PARK,.....*Fellow in Latin.*  
Baltimore, Md. A.B., Bryn Mawr College, 1898, and A.M., 1899. Bryn Mawr Euro-  
pean Fellow, 1898-99; Graduate Student, Bryn Mawr College, 1898-99, 1912-14;  
University of Chicago, Autumn Quarter, 1900-01; American School of Classical  
Studies, Athens, 1901-02; Instructor in Classics, Colorado College, 1902-03, 1904-06;  
Assistant Professor, 1914-15; and Acting Dean of Women, 1903-04; Teacher in Miss  
Wheeler's School, Providence, R. I., 1906-09; Acting Dean of the College, Bryn Mawr  
College, 1911-13; Graduate Student, Johns Hopkins University, 1915-16.

CHARLOTTE D'EVELYN,.....*Fellow in English.*  
San Francisco, Cal. B.L., Mills College, 1911; University of California, Summer, 1912.  
Teacher in the Public Schools, Bloomington, Idaho, Jan.-June, 1912, and in Sanger,  
Cal., 1912-13; Graduate Scholar in English, Bryn Mawr College, 1913-15; Mary E.  
Garrett European Fellow and Student in the British Museum, London, and in Oxford,  
1915-16.

HILDA MARIE RAETZMANN,.....*Fellow in German.*  
Reedsburg, Wis. A.B., University of Wisconsin, 1912, and A.M., 1913. University  
Teaching Fellow, University of Wisconsin, 1912-13; Teacher in the High Schools,  
Madison, Wis., 1913-16.

EUNICE SPALDING CHAPIN,.....*Fellow in Romance Languages.*  
Lincoln, Neb. A.B., University of Nebraska, 1915. Graduate Student, University of  
Nebraska, 1915-16.

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\* Fellowship deferred.



- BEATRICE ALLARD, ..... *Fellow in Semitic Languages*.  
Boston, Mass. A.B., Mount Holyoke College, 1915. Graduate Scholar in Semitic Languages and Biblical Literature, Bryn Mawr College, 1915-16.
- MARGARET WOODBURY, ..... *Fellow in History*.  
Columbus, O. A.B., Ohio State University, 1915. Graduate Scholar in History, Bryn Mawr College, 1915-16.
- FLORENCE KNOWLTON MIDDAGH, ..... *Fellow in Economics*.  
Jackson, Mich. A.B., University of Michigan, 1915, and A.M., 1916. Graduate Student, University of Michigan, 1915-16.
- HAZEL GRANT ORMSBEE,  
..... *Carola Woerishoffer Fellow in Social Economy and Social Research*.  
Ithaca, N. Y. A.B., Cornell University, 1915. Carola Woerishoffer Scholar in Social Economy and Social Research, Bryn Mawr College, 1915-16.
- LOUISE YOUNG, ..... *Fellow in Philosophy*.  
Memphis, Tenn. A.B., Vanderbilt University, 1912; A.M., University of Wisconsin, 1915. Teacher in St. Mary's School, Memphis, 1912-14; Graduate Student, University of Wisconsin, 1914-16.
- MARY RUTH ALMACK, ..... *Fellow in Psychology*.  
Coshocton, O. A.B., Ohio State University, 1915, and A.M., 1916.
- ELEANOR FERGUSON RAMBO, ..... *Fellow in Archæology*.  
Bryn Mawr, Pa. A.B., Bryn Mawr College, 1908, A.M., 1909. Scholar in Greek, Bryn Mawr College, 1908-09; Graduate Student in Latin, 1909-10, and in Archæology, 1911-12, 1915-16, Scholar in Archæology, 1914-15; Teacher of Mathematics in the Misses Kirk's School, Bryn Mawr, 1909-10; Private Tutor, 1910-11; Teacher of Latin in Miss Wright's School, Bryn Mawr, and Private Tutor, 1911-16.
- MARGUERITE JENNIE BRECKENRIDGE, ..... *Fellow in Mathematics*.  
Grove City, Pa. A.B., Grove City College, 1913. Teacher in the High School, Centerville, Pa., 1913-15; Graduate Scholar in Mathematics, Bryn Mawr College, 1915-16.
- MARION PUTNAM BLACK, ..... *Fellow in Chemistry*.  
Montgomery, Ala. A.B., Agnes Scott College, 1915. Graduate Student and Assistant in Chemistry, Agnes Scott College, 1915-16.
- MARGARET CAMERON COBB, ..... *Fellow in Geology*.  
Portsmouth, Va. A.B., North Carolina Normal and Industrial College, 1912; A.B., Barnard College, 1915. Graduate Student, Columbia University, 1915-16.
- JANE MARION EARLE, ..... *British Graduate Scholar*.  
Croydon, England. Newnham College, Cambridge, 1907-10; Mathematical Tripos, Part 1, 1908, Part 2, 1910. Training College for Women, Cambridge, 1910-11. Teacher of Mathematics in the Girls' High School, Leeds, 1911-15; British Graduate Scholar and Student of Mathematics and Philosophy, Bryn Mawr College, 1915-16, and Reader in Mathematics, 1917.
- DOROTHY EVERETT, ..... *British Graduate Scholar*.  
King's Lynn, Norfolk, England. Girton College, Cambridge, 1913-16; Mediæval and Modern Languages Tripos, 1916.
- GWEN ANN JONES, ..... *British Graduate Scholar*.  
Bala, Wales. B.A., University College of Wales, 1909, and M.A., 1914. Teacher in the Girls' Intermediate School, Pontypool, Wales, 1910-15; British Scholar and Student in English, Bryn Mawr College, 1915-16.
- MABEL VAUGHAN KITSON, ..... *British Graduate Scholar*.  
Wakefield, England. Newnham College, Cambridge, 1913-16; Mediæval and Modern Languages Tripos, 1916.
- MARIA ALEXANDRA STAPPERT, ..... *German Graduate Scholar*.  
Sterkrade, Rheinprovinz, Germany. University of Bonn, Summer Semester, 1914; University of Münster, 1914-15; University of Frankfurt, Summers, 1915, 1916; University of Zürich, 1915-16.
- HELENE BELART, ..... *Swiss Graduate Scholar*.  
Olten, Soleuve, Switzerland. University of Zürich, April, 1913, to March, 1915, University of Geneva, 1915-16.

DOROTHY LAING ASHTON,.....*Chemistry.*  
Swarthmore, Pa. A.B., Bryn Mawr College, 1910. Worker in Consumers' League, Philadelphia, 1910-12, and in Social Service Department of the Orthopaedic Hospital, Philadelphia, 1912-16.

MARY ELIZABETH BARNICE,  
*Fellow by Courtesy and Graduate Scholar in English.*  
Providence, R. I. A.B., Brown University, 1913. Teacher in Evening School, Providence, 1910-11; Graduate Scholar in English, Bryn Mawr College, 1913-15, and Fellow in English, 1915-16.

KATHRYNE CHASE BATCHELDER,.....*Graduate Scholar in Economics.*  
Faribault, Minn. A.B., Bryn Mawr College, 1916.

LOUISE GOEBEL BECK,\*.....*French.*  
Bryn Mawr, Pa. A.B., University of Illinois, 1912. Substitute Teacher of German, Civics, and Algebra in the High School, Champaign, Ill., 1912-13; Oral Tutor in French, Bryn Mawr College, 1916-17.

ENID ROSE BELL,.....*Economics.*  
Jacksonville, O. A.B., Ohio University, 1916. Cornell University, 1915-16, Semester I, 1916-17. Stenographer to the President, Bryn Mawr College, 1917.

SUE AVIS BLAKE,.....*Chemistry.*  
Merion, Pa. A.B., Bryn Mawr College, 1898, and A.M., 1900. Demonstrator and Graduate Student in Physics, Bryn Mawr College, 1898-99, 1904-06, 1915-17; Graduate Student, Bryn Mawr College, and Teacher of Mathematics and Science in the Misses Shipley's School, Bryn Mawr, Pa., 1899-1900; Assistant in Physics, Smith College, 1900-02, 1903-04; Fellow in Physics, Bryn Mawr College, 1906-07; Fellow in Physics, University of Pennsylvania, 1907-08; Instructor in Physics, Smith College, 1910-15.

MARGARET BONTECOU,.....*History.*  
Orange, N. J. A.B., Bryn Mawr College, 1909. Bryn Mawr European Fellow, 1909-10; Student, Universities of Munich and Oxford, 1910-11; Settlement Worker, Orange Social Settlement, 1912-13; Secretary and Private Tutor, 1913-14; Warden of Denbigh Hall, 1914-17.

MARGARET SAEGER BRADWAY,.....*French.*  
Haverford, Pa. A.B., Bryn Mawr College, 1915. Graduate Scholar in Romance Languages, 1915-16.

ELIZABETH BRAKELEY,.....*Chemistry and Physics.*  
Freehold, N. J. A.B., Bryn Mawr College, 1916.

ELSA SOPHIE BRATLIE,.....*Graduate Scholar in Chemistry.*  
Milwaukee, Wis. A.B., Ripon College, 1916.

ANNA HAINES BROWN,.....*History.*  
Philadelphia. A.B., Bryn Mawr College, 1915, and A.M., 1916. Graduate Student in History, Bryn Mawr College, 1915-16.

EVA ALICE WORRALL BRYNE,.....*Graduate Scholar in Latin.*  
Philadelphia. A.B., Bryn Mawr College, 1916.

AGNES MARY HADDEN BYRNES,....*Susan B. Anthony Memorial Scholar.*  
Evanston, Ill. A.B., Northwestern University, 1915; A.M., Columbia University, 1916.

LYDIA C. CADBURY,†.....*English.*  
Haverford, Pa. A.B., Wellesley College, 1912.

MARGARET CHASE,.....*Economics.*  
Titusville, Pa. A.B., Bryn Mawr College, 1916.

JEANNE CHÉRON,.....*English.*  
Paris, France. Licenciée-ès-lettres, University of Paris, 1908. Instructor in French, Wellesley College, 1909-11; Teacher in Miss Chamberlayne's School, Boston, 1911-15, and in Madame Rieffel's School, Rosemont, Pa., 1915-16; Teacher of French in the Phebe Anna Thorne Model School, 1916-17.

\* Mrs. Jean Baptiste Beck.

† Mrs. Henry J. Cadbury.

- DAGMAR DONEGHY,.....*Graduate Scholar in English.*  
Kirkville, Mo. A.B., University of Wisconsin, 1915, and A.M., 1916.
- ESTHER CLOUDMAN DUNN,.....*English.*  
South Portland, Me. A.B., Cornell University, 1913. Lecturer in English, Maine State Summer School, 1914; Reader in English, Bryn Mawr College, 1914-17.
- SUSIE VERLE EDWARDS,.....*Penn College Scholar.*  
Oskaloosa, Ia. A.B., Penn College, 1916.
- BERTHA SOPHIE EHLERS,.....*Chemistry.*  
Philadelphia. A.B., Bryn Mawr College, 1909. Teacher of German in the Agnes Irwin School, Philadelphia, 1910-14; Reader in Elementary German, Bryn Mawr College, 1912-13; Warden of Radnor Hall, 1913-17.
- SARAH WOOSTER ENO,.....*Italian.*  
Charlotte, Vt. A.B., University of Illinois, 1908. Cataloguer, Library of the University of Pennsylvania, 1909-10; Librarian, Stetson University, 1910-12; Circulation and Reference Librarian, Bryn Mawr College, 1912-17.
- ALICE DARCY FRANKLIN,.....*Graduate Scholar in History of Art.*  
New York City. A.B., Barnard College, 1916.
- HELEN GENEVIEVE FULLER,  
*Carola Woerishoffer Scholar in Social Economy and Social Research.*  
Amesbury, Mass. A.B., Mount Holyoke College, 1915. Carola Woerishoffer Scholar in Social Economy and Social Research, Bryn Mawr College, 1915-16.
- ANNE WHITE GALBRAITH,.....*English.*  
Williamsport, Pa. A.B., Bucknell University, 1907, and A.M., 1908. Student, Paris, Summer, 1909, Munich, Summer, 1912, and University of Wisconsin, Summer, 1913. Teacher of French, Stetson University, De Land, Fla., 1907-10; Teacher of Greek and Latin and Head of Department of Modern Languages, Williamsport High School, 1910-14; Secretarial and Editorial Work, The Pennsylvania State College, 1915-16, and Bryn Mawr College, 1916-17.
- MARION EDITH GRIEB,.....*History of Art.*  
Scarsdale, N. Y. A.B., Wellesley College, 1914.
- CHRISTINE POTTS HAMMER,.....*Education.*  
Pottstown, Pa. A.B., Bryn Mawr College, 1912; A.M., Cornell University, 1916. Private Secretary and Graduate Student, Bryn Mawr College, 1912-13; Reader in English, 1913-15; Graduate Student, Cornell University, 1915-16; Teacher of English in the Phebe Anna Thorne Model School, 1916-17.
- ALICE MARTIN HAWKINS,.....*History.*  
Philadelphia. A.B., Bryn Mawr College, 1907. Teacher in Miss Robins's School, Mt. Airy, Philadelphia, 1907-08, and in the Friends' School, Germantown, Philadelphia, 1908-09; Warden of Merion Hall, Bryn Mawr College, 1916-17.
- HELEN RUTH HIBBARD,  
*Carola Woerishoffer Scholar in Social Economy and Social Research.*  
East Lansing, Mich. A.B., Wellesley College, 1894, and A.M., 1916. Teacher in Miss Williams's School, Worcester, Mass., 1894-95, in Monson Academy, Monson, Mass., 1895-99, in the Hillside School, Norwalk, Conn., 1900-01; Graduate Student, Wellesley College, 1915-16.
- FLORENCE CATHERINE IRISH,.....*History.*  
Norristown, Pa. A.B., Bryn Mawr College, 1914, and A.M., 1916. Graduate Student, Bryn Mawr College, 1915-16.
- MILDRED CLARKE JACOBS,  
*Carola Woerishoffer Scholar in Social Economy and Social Research.*  
Philadelphia. A.B., Bryn Mawr College, Feb., 1916.
- MILDRED LEWIS JUSTICE,.....*Psychology and Education.*  
Narberth, Pa. A.B., Bryn Mawr College, 1915, and A.M., 1916. Teacher in Miss Wright's School, Bryn Mawr, and Graduate Scholar in Education, Bryn Mawr College, 1915-16; Assistant Demonstrator in Applied Psychology and Secretary for the Phebe Anna Thorne Model School Clinics, 1916-17.



- MARGUERITE WITMER KEHR, . . . . . *Graduate Scholar in Philosophy.*  
Knoxville, Tenn. A.B., University of Tennessee, 1911, and A.M., Wellesley College, 1914. Teacher in the High School, Knoxville, 1911-12; Graduate Student, Wellesley College, 1912-13, 1914; Assistant in Psychology, University of Tennessee, First term, 1913-14; Instructor in Psychology, Summer School of the South, 1914; and Executive Secretary, 1915-16.
- ADRIENNE KENYON, . . . . . *College Settlements Association Fellow.*  
New York City. A.B., Bryn Mawr College, 1915. Special Student, Columbia University, Oct. 1915-Jan. 1916.
- EDITH HAMILTON LANMAN, A.M., . . . . . *Physics.*  
Cambridge, Mass. A.B., Radcliffe College, 1914; A.M., University of California, 1915. Graduate Student, University of California, 1914-15; Demonstrator in Chemistry, Bryn Mawr College, 1915-17.
- FRANCES LAUDER, . . . . . *English and French.*  
Wahpeton, N. Dak. A.B., University of Wisconsin, 1915. Assistant in High School, Hannaford, N. Dak., 1915-16.
- ELIZABETH THRUSTON LEAKE,\* . . . . . *English.*  
Bryn Mawr, Pa. A.B., Goucher College, 1910. Assistant Principal of the High School, Ashland, Va., 1910-11.
- CORDIA LILIAN LUKERT, . . . . . *English.*  
Sabetha, Kans. A.B., Ottawa University, 1916.
- JANET MALCOLM MACDONALD, . . . . . *Graduate Scholar in Archæology.*  
Fort Dodge, Ia. A.B., Morningside College, 1910; A.M., University of Illinois, 1913. Assistant Principal in the High School, Aurelia, Ia., 1911-12; Instructor in Latin, Morningside College, 1913-15; Graduate Scholar in Archæology, Bryn Mawr College, 1915-16.
- AMELIA KELLOGG MACMASTER, . . . . . *Special Scholar in Philosophy and Economics.*  
Elizabeth, N. J. A.B., Bryn Mawr College, February, 1917.
- CHLOE SPEARMAN McKEEFREY, . . . . . *Graduate Scholar in French.*  
Leetonia, O. A.B., Bryn Mawr College, 1916.
- CHARLOTTE FRELINGHUYSEN McLEAN, . . . . . *Greek, Latin, and French.*  
Philadelphia. A.B., Bryn Mawr College, 1899; A.M., University of Pennsylvania, 1901, and Ph.D., 1907. Graduate Student, University of Pennsylvania, 1899-1901, 1916-17, and Bryn Mawr College, 1906-07, 1916-17; Head of the German Department in the High School, Norristown, Pa., 1902; Head of the College Preparatory Department, and of the Ancient and Modern Language Work, Linden Hall Seminary, Lititz, Pa., 1903-05 and Head of the Collegiate Department and of the Language Department, 1905-07; Head of Departments of Greek and History in the High School, Sewickley, Pa., 1907-08; Head of English Department in Birmingham School, Birmingham, Pa., 1908-09; Professor, Albert Lea College, Minn., 1909-10, Blackburn College, Carlinville, Ill., 1910-11, Athens College, Athens, Ala., 1911-12, St. Genevieve's College, Asheville, N. C., 1912-14, College of Montana, Deer Lodge, Mont., 1914-16.
- MARGARET MONTAGUE MONROE, . . . . . *Graduate Scholar in Psychology.*  
Asheville, N. C. Barnard College, 1911-13; Mount Holyoke College, 1913-15. A.B., Mount Holyoke College, 1915. Teacher in the Commercial High School, Atlanta, Ga., 1915-16.
- HELEN MORNINGSTAR, *Fellow by Courtesy and Graduate Scholar in Geology.*  
Columbus, O. A.B., Ohio State University, 1913, and A.M., 1915. Teaching Fellow in English, Ohio State University, 1913-15; Fellow in Geology, Bryn Mawr College, 1915-16.
- MARY FRANCES NEARING, . . . . . *Chemistry.*  
Philadelphia. A.B., Bryn Mawr College, 1909. Teacher of English in St. Margaret's School, Waterbury, Conn., 1910-11; Secretary and Athletic Director, Miss Walker's School, Lakewood, N. J., 1911-13; Social Service Worker, Philadelphia, 1913-14; Warden of Rockefeller Hall and Graduate Student, Bryn Mawr College, 1914-17.

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\* Mrs. James Miller Leake.



INEZ MAY NETERER,

*Graduate Scholar in Social Economy and Social Research.*  
Seattle, Wash. A.B., Mills College, 1916.

MARY EDITH PINNEY, ..... *Biology.*

Wilson, Kans. A.B., University of Kansas, 1908, and A.M., 1910. Teacher in High School, Alma, Kans., 1908-09; Teaching Fellow in Zoology, University of Kansas, 1909-10; Fellow in Biology, Bryn Mawr College, 1910-11; President's European Fellow and Student, Universities of Bonn and Heidelberg and Zoological Station, Naples, 1911-12; Instructor in Zoology, University of Kansas, 1912-13; Demonstrator in Biology, and Fellow by Courtesy in Biology, Bryn Mawr College, 1913-14, and Demonstrator in Biology, 1914-17.

MARY RHYS, ..... *English.*

Blandford, Dorset, England. M.A., with Honours in English, Glasgow University, 1915. British Graduate Scholar, Bryn Mawr College, 1915-16.

ANNABELLA ELLIOTT RICHARDS, ..... *Chemistry.*

Merion, Pa. A.B., Bryn Mawr College, 1907. Scholar in Chemistry, Bryn Mawr College, 1908-09, Graduate Student, 1909-11, 1916-17. Teacher of Physiology in the Girls' High School, Philadelphia, 1910-11; Assistant in Chemistry, Barnard College, 1911-12; Graduate Student in Chemistry, Johns Hopkins University, 1912-13; Chemical Assistant in Medicine, Johns Hopkins University, 1914-15; Demonstrator in Chemistry and Assistant in Clinical Pathology, Woman's Medical College of Pennsylvania, 1915-17.

CAROLINE CLARK ROE, ..... *Graduate Scholar in History.*

Jamestown, N. Dak. A.B., Wells College, 1916.

JOANNA PUGH ROSS, ..... *Graduate Scholar in Economics.*

Norristown, Pa. A.B., Bryn Mawr College, 1916.

PAULINE ADELAIDE SHOREY, ..... *Graduate Scholar in Biology.*

Dover, N. H. A.B., Wellesley College, 1916.

ELIZABETH KLINE STARK, ..... *Psychology, Education, and Physics.*

Rochester, N. Y. A.B., Bryn Mawr College, 1916. Assistant Demonstrator in Experimental Psychology, 1916-17.

EVELYN MARIE SUMPTION, ..... *Earlham College Scholar.*

Kendallville, Ind. A.B., Earlham College, 1916.

HILDRED THOMSON, ..... *Graduate Scholar in Biology.*

Walton, N. Y. B.S., Geneva College, 1916.

ELISE TOBIN, ..... *Graduate Scholar in Chemistry.*

Brooklyn, N. Y. B.S., Barnard College, 1915. Graduate Scholar in Chemistry, Bryn Mawr College, 1915-16.

LYDIAN TSCHARNER, ..... *English and Education.*

Portland, Ore. B.L., Mills College, 1916.

BIRD MARGARET TURNER, ..... *Graduate Scholar in Mathematics.*

Moundsville, W. Va. A.B., West Virginia University, 1915.

HELEN EDITH TYSON, ..... *Graduate Scholar in Spanish.*

Kitchawan, N. Y. A.B., Bryn Mawr College, 1916.

MYRTLE VAN WYE, ..... *Education.*

Warren, O. A.B., Mount Holyoke College, 1914; A.M., Radcliffe College, 1915. Tutor in Mathematics, Radcliffe College, and Assistant to Professor Osgood, Harvard University, 1915-16.

AMEY EATON WATSON,\* ..... *Social Economy and Social Research.*

Haverford, Pa. A.B., Women's College in Brown University, 1907; A.M., University of Pennsylvania, 1910. Teacher in Miss Wheeler's School, Providence, R. I., 1907-08; Instructor in the Department of Social Science, University of Utah, 1912.

\* Mrs. Frank D. Watson.

MARY BOYDE WESNER,.....*Latin.*

Bryn Mawr, Pa. A.B., Bryn Mawr College, 1910. Graduate Student, Columbia University, 1914-15; Teacher of English and Latin in Oaksmere School, New Rochelle, N. Y., 1910-12; Teacher of English in Bishop's School, La Jolla, Cal., 1912-13; Private Tutor, 1913-15; Teacher of English in the Merrill School, Mamaroneck, N. Y., 1914-15, of Latin in the Concord School for Girls, Concord, Mass., 1915-16, and in Miss Wright's School, Bryn Mawr, Pa., 1916-17.

HELEN EMMA WIEAND,.....*Latin.*

Pottstown, Pa. A.B., Mount Holyoke College, 1906, and A.M., 1908. Graduate Scholar in Latin and Archeology, Bryn Mawr College, 1907-09; Teacher of Latin and German in the High School, Phoenixville, Pa., 1909-10; Student in Pottstown Business College, 1910-11; Secretary to the Dean of the Philadelphia College of Pharmacy, 1911; Instructor in Latin in Wheaton College, Norton, Mass., 1911-13, and Assistant Professor, 1913-15.

MABEL PAULINE WOLFF,.....*Economics and Politics.*

Myerstown, Pa. A.B., Barnard College, 1905; A.M., Columbia University, 1915. Teacher, Public School, Patton, Pa., 1905-06; Allentown College for Women, 1906-07; Paulsboro High School, Gloucester City, N. J., 1907-11; Washington Seminary, Washington, Pa., 1911-14, Leominster High School, Leominster, Mass., 1915-16.

EDITH ARMSTRONG WRAY,.....*English.*

Shelbyville, Ind. A.B., Goucher College, 1913. Teacher in the High School, Shelbyville, 1914-16.

CAROLYN BALLINGER YATES,.....*Guilford College Scholar.*

Guilford, N. C. A.B., Guilford College, 1916.

### *Undergraduate Students, Academic Year, 1916-17.*

ADAMS, EWING,.....*Group, History and ———, 1915-17.*

St. Louis, Mo. Prepared by the Mary Institute, St. Louis.

ALLEN, DOROTHY BLAIR,.....*Group, French and ———, 1916-17.*

Montclair, N. J. Prepared by the Kimberley School, Montclair, N. J.

ALLISON, FRANCES EKin,.....*Group, Latin and English, 1915-17.*

St. Louis, Mo. Prepared by the Mary Institute, St. Louis.

ALLPORT, HARRIET HUBBARD,

*Group, Modern History and Economics and Politics, 1913-17.*

Chicago, Ill. Prepared by the University School for Girls, Chicago. University of Chicago, 1912-13.

ANDERTON, VIRGINIA WALLIS, *Group, Latin and Ancient History, 1914-17.*

Milwaukee, Wis. Prepared by Milwaukee-Downer Seminary, Milwaukee, and by the Misses Kirk's School, Bryn Mawr, Pa.

ANDREWS, MARY BARTOW,.....*Group, Chemistry and Biology, 1913-17.*

Englewood, N. J. Prepared by the High School, Englewood, and by the Misses Shipley's School, Bryn Mawr, Pa.

ARNOLD, ISABEL HART,.....*Group, ———, 1916-17.*

Cambridge, Mass. Prepared by the Buckingham School, Cambridge, and by the Misses May's School, Boston, Mass. New England States Matriculation Scholar, 1916-17.

ATHERTON, ELEANOR RIGGS,

*Group, Modern History and Economics and Politics, 1914-17.*

Wilkes Barre, Pa. Prepared by the Wilkes Barre Institute, Wilkes Barre.

BABBITT, MARY EVELYN,

*Group, Modern History and Economics and Politics, 1914-17.*

Haverford, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa. and by the Westtown Boarding School, Westtown, Pa.

- BACON, MARGARET HOWELL, . . . *Group, Psychology and Biology*, 1914-17.  
Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia, and by the Westtown Boarding School, Westtown, Pa.
- BAILEY, GEORGIA REILY, . . . *Group, Modern History and Economics and Politics*, 1915-17.  
Harrisburg, Pa. Prepared by the Seiler School, Harrisburg, and by St. Timothy's School, Catonsville, Pa.
- BAILEY, MARTHA, . . . *Group, ———*, 1914-17.  
Harrisburg, Pa. Prepared by the Seiler School, Harrisburg, and by St. Timothy's School, Catonsville, Md.
- BAIN, OLIVE LOVE, . . . *Group, French and Spanish*, 1914-17.  
New York City. Prepared by the Veltin School, New York City.
- BALLOU, MARGARET HOWLAND, . . . *Group, English and Philosophy and Psychology*, 1916-17.  
Marblehead, Mass. Prepared by Miss Howe's School, Salem, Mass., by the Salem High School, by the Baldwin School, Bryn Mawr, Pa., and by private tuition.
- BARRETTE, KATHARINE BIDDLE, . . . *Group, English and French*, 1915-17.  
Fort Howard, Md. Prepared by the Hampton College, Hampton, Va., by the Waynflete School, Portland, Me., by Ashley Hall, Charleston, S. C., by the Packer Collegiate Institute, Brooklyn, N. Y., and by the Bryn Mawr School, Baltimore, Md.
- BEARDWOOD, ALICE, . . . *Group, German and Modern History*, 1913-17.  
Philadelphia. Prepared by the Girls' High School, Philadelphia.
- BEATTY, FREDERIKA, . . . *Group, ———*, 1915-17.  
Athens, Ga. Prepared by the Lucy Cobb Institute, Athens.
- BELVILLE, SYDNEY OTT, . . . *Group, Latin and Ancient History*, 1914-15, 1916-17.  
Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia.
- BETTMAN, MARIAN ROSE, . . . *Group, Chemistry and Biology*, 1915-17.  
Cincinnati, O. Prepared by University School, Cincinnati.
- BIDDLE, ELIZABETH R., *Group, Economics and Politics and ———*, 1915-17.  
Wallingford, Pa. Prepared by the Friends' Select School, Philadelphia, and by the Westtown Boarding School, Westtown, Pa.
- BIRD, DORIS MARIE, . . . *Group, Latin and English*, 1913-17.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1913-17.
- BLODGETT, KATHARINE BURR, *Group, Mathematics and Physics*, 1913-17.  
New York City. Prepared by the Misses Rayson's School, New York City. First Matriculation Scholar for New York, New Jersey and Delaware, 1913-14.
- BLUE, AUGUSTA LYELL, . . . *Group, ———*, 1915-17.  
Charlottesville, Va. Prepared by St. Anne's School, Charlottesville, and by the Misses Kirk's School, Bryn Mawr, Pa.
- BLYTH, ELIZABETH ANNE, . . . *Hearer in Italian, History, and History of Art*, 1916-17.  
Philadelphia. Prepared by the Girls' High School, by the Philadelphia Normal School, Philadelphia, by the University of Pennsylvania, and by Temple University.
- BOLLES, HELEN MARION, . . . *Group, ———*, 1916-17.  
Hong Kong, China. Prepared by Miss Ransom and Miss Bridge's School, Piedmont, Cal.
- BONSAL, FRANCES LEIGH, . . . *Group, ———*, 1916-17.  
Ruxton, Md. Prepared by the Bryn Mawr School, Baltimore, Md.
- BOOTH, ANNA MARTHA, . . . *Group, English and ———*, 1914-17.  
Philadelphia. Prepared by the Girls' High School, Philadelphia.



- BORN, THERESE MATHILDE, . . . . . *Group, Latin and English*, 1914-17.  
Indianapolis, Ind. Prepared by Tudor Hall, Indianapolis. Bryn Mawr Matriculation Scholar for the Western States, 1914-15.
- BOYD, MARY, *Group, Modern History and Economics and Politics*, 1913-17.  
New York City. Prepared by the Veltin School, New York City.
- BOYNTON, ZELLA DETMOULD, . . . . . *Group, ———*, 1916-17.  
New York City. Prepared by the Latin School, Chicago, Ill., and by the Brearley School, New York City.
- BRACE, ELIZABETH, . . . . . *Group, ———*, 1916-17.  
New York City. Prepared by the Misses Masters's School, Dobbs Ferry, N. Y., and by the Brearley School, New York City.
- BRANSON, FRANCES GARRETT, . . . . . *Group, ———*, 1915-17.  
Rosemont, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.
- BRETZ, MARION STARR, . . . . . *Group, ———*, 1916-17.  
Harrisburg, Pa. Prepared by the High School, Harrisburg, Pa., and by private tuition.
- BROMELL, BEATRICE BRUNSWICK, . . . *Group, English and ———*, 1916-17.  
Brooklyn, N. Y. Prepared by the Girls' High School, Brooklyn, and by private tuition.
- BROOMFIELD, MABEL MAY, . . . . . *Group, ———*, 1915-17.  
Philadelphia. Prepared by the Girls' High School, West Philadelphia. City Scholar, 1915-17.
- BROWN, LOVIRA CHAPIN, . . . *Group, French and Modern History*, 1913-17.  
Greenwich, Conn. Prepared by Rosemary Hall, Greenwich.
- BROWN, MADELAINE RAY, . . . . . *Group, ———*, 1916-17.  
Providence, R. I. Prepared by the Lincoln School, Providence.
- BROWN, MIRIAM BURKLOE, . . . . . *Group, ———*, 1916-17.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Mary Anna Longstreth Memorial Scholar, 1916-17.
- BUFFUM, FRANCES, *Group, Economics and Politics and Psychology*, 1914-17.  
Cohasset, Mass. Prepared by the High School, Cohasset, and by private tuition.
- BUTLER, MARGARET ELISABETH, . . . *Group, English and French*, 1915-17.  
St. Paul, Minn. Prepared by the Visitation Convent, St. Paul, and by Mrs. Backus's School for Girls, St. Paul.
- BUTLER, MIRIAM, . . . . . *Group, ———*, 1916-17.  
Philadelphia. Prepared by Friends' Graded School, West Chester, Pa., and by the Agnes Irwin School, Philadelphia.
- BUTTENWIESER, HILDA, . . . . . *Group, ———*, 1916-17.  
Cincinnati, O. Prepared by the University School, Cincinnati.
- BUTTERFIELD, HELEN IOLA,  
*Group, Modern History and History of Art*, 1914-17.  
New York City. Prepared by Miss Madeira's School, Washington, D. C., and by the Misses Kirk's School, Bryn Mawr, Pa.
- CANBY, MARJORIE WISTAR, . . . . . *Group, ———*, 1916-17.  
Philadelphia. Prepared by the Friends' Preparative Meeting School, Germantown.
- CAREY, MARGARET MILLICENT, . . . . . *Group, Greek and ———*, 1916-17.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Pennsylvania and Southern States Matriculation Scholar and Bryn Mawr School Scholar, 1916-17.
- CARUS, MARY ELISABETH, . . . . . *Group, Chemistry and Biology*, 1915-17.  
La Salle, Ill. Prepared by the La Salle-Peru Township High School, La Salle. University of Chicago, 1914-15.



- CARY, MARGARET SNELL, ..... *Group*, ———, 1916-17.  
Baltimore, Md. Prepared by the Park Avenue Friends' School, Baltimore, by private tuition and by the Westtown School, Westtown, Pa. Foundation Scholar, 1916-17.
- CARY, MARY KATHARINE, ..... *Group*, ———, 1916-17.  
Richmond, Va. Prepared by Miss Ellett's School, Richmond.
- CASSEL, GLADYS HAGY, ..... *Group, Latin and English*, 1914-17.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1914-17; Special Scholar, 1915-16.
- CASSELBERRY, CATHARINE,  
*Group, Modern History and Economics and Politics*, 1913-17.  
Chicago, Ill. Prepared by the University School for Girls, Chicago, and by Miss Wright's School, Bryn Mawr, Pa.
- CAULDWELL, KATHARINE, ..... *Group*, ———, 1916-17.  
New York City. Prepared by Miss Ethel Walker's School, Lakewood, N. J.
- CHADBOURNE, EMILY ROXANA, *Group, Mathematics and* ———, 1915-17.  
Waban, Mass. Prepared by the Brimmer School, Boston, Mass.
- CHAMBERS, DOROTHEA NESBITT,  
*Group, Modern History and Economics and Politics*, 1915-17.  
Adana, Turkey. Prepared by the Utica Free Academy, Utica, N. Y.
- CHASE, LUCIA HOSMER, . . . *Group, Greek and Italian and Spanish*, 1913-17.  
Waterbury, Conn. Prepared by St. Margaret's School, Waterbury.
- CHASE, MARTHA FRANCES, ..... *Group*, ———, 1916-17.  
Concord, Mass. Prepared by the High School, Concord, and by the Concord School for Girls.
- CHASE, MARY AYER, ..... *Group*, ———, 1916-17.  
Chicago, Ill. Prepared by St. Timothy's School, Catonsville, Md.
- CLARK, DARTHELA, ..... *Group*, ———, 1916-17.  
Philadelphia. Prepared by Miss Landstreet's School, Philadelphia, and by Miss Wright's School, Bryn Mawr, Pa.
- CLARKE, FRANCES CHASE,  
*Group, Economics and Politics and Psychology*, 1915-17.  
Providence, R. I. Prepared by Miss Wheeler's School, Providence.
- CLIFFORD, KATHARINE LOUISA, ..... *Group*, ———, 1916-17.  
South Portland, Me. Prepared by the Waynflete School, Portland.
- CLINE, MARY SYLVESTER, ..... *Group, Greek and Latin*, 1913-17.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Minnie Murdoch Kendrick Memorial Scholar, 1913-17.
- COCHRAN, JULIA NEWTON, ..... *Group*, ———, 1916-17.  
The Plains, Va. Prepared by the Bryn Mawr School, Baltimore, Md.
- COLLINS, AMY WHIPPLE, ..... *Group*, ———, 1915-17.  
Charleston, W. Va. Prepared by the College Preparatory School of Cincinnati, and by the Baldwin School, Bryn Mawr, Pa.
- COLLINS, HAZEL STEELE, ..... *Group, Mathematics and Physics*, 1915-17.  
Gloversville, N. Y. Wellesley College, 1914-15.
- COLLINS, SARAH LOUISE,  
*Group, Modern History and Economics and Politics*, 1913-17.  
Purchase, N. Y. Prepared by the Westtown Boarding School, Westtown, Pa., and by the Brearley School, New York City.
- COLMAN, CHARLOTTE KEHL, ..... *Group*, ———, 1916-17.  
La Crosse, Wis. Prepared by the High School, La Crosse, and by the Mary C. Wheeler School, Providence, R. I.

COLTER, MARY FRANCES, ..... *Group, Latin and French*, 1913-17.  
Cincinnati, O. Prepared by the Bartholomew-Clifton School, Cincinnati. Second Bryn Mawr Matriculation Scholar for the Western States, 1913-14.

CONKLIN, JULIA CECILIA, ..... *Group*, ———, 1916-17.  
Huntington, L. I., N. Y. Prepared by Miss Spence's School, New York City.

CONOVER, HELEN FIELD, ..... *Group*, ———, 1915-17.  
Bay City, Mich. Prepared by the Eastern High School, Bay City.

COOLIDGE, ANNE, ..... *Group*, ———, 1916-17.  
Brookline, Mass. Prepared by the Winsor School, Brookline.

COOMBS, SARAH VIRGINIA, ..... *Group, French and* ———, 1915-17.  
Scarsdale, N. Y. Prepared by the Lockwood Collegiate School, Scarsdale.

COOPER, ELEANOR STEWARD, ..... *Group, English and German*, 1915-17.  
Lansdowne, Pa. Prepared by the Swarthmore Preparatory School and by the Mary Lyon School, Swarthmore, Pa.

COULTER, ANNA BREWSTER, ..... *Group, French and Spanish*, 1913-17.  
Chicago, Ill. Prepared by the University School for Boys, Chicago, and by Rosemary Hall, Greenwich, Conn.

CURRY, PHOEBE,  
*Group, Modern History and Economics and Politics*, 1913-17.  
Danville, Pa. Prepared by Dickinson Seminary, Williamsport, Pa., and by the Misses Shipley's School, Bryn Mawr, Pa.

CURTIN, FRANCES BIRDA,  
*Group, Economics and Politics and Psychology*, 1913-17.  
Clarksburg, W. Va. Prepared by the High School, Clarksburg, and by the Misses Shipley's School, Bryn Mawr, Pa.

DABNEY, ELIZABETH CARRINGTON, . . . *Group, History and* ———, 1915-17.  
Dallas, Tex. Prepared by Miss Holley's School, Dallas, and by Miss Wright's School, Bryn Mawr, Pa.

DAVIS, ANNE WALLIS, ..... *Group, Chemistry and Biology*, 1913-17.  
Princeton, N. J. Prepared by Miss Fine's School, Princeton.

DAVIS, ELEANOR BUSHNELL, ..... *Group*, ———, 1916-17.  
Philadelphia. Prepared by the Friends' School, Germantown, by the Springside School, Chestnut Hill, Philadelphia, and by Rosemary Hall, Greenwich, Conn.

DAVIS, LILLIAN GOULD, ..... *Group*, ———, 1916-17.  
Schenectady, N. Y. Prepared by the High School, Schenectady, and by the Veltin School, New York City.

DAY, FRANCES BLAKISTON,  
*Group, Modern History and Economics and Politics*, 1915-17.  
Philadelphia. Prepared by the Wissahickon Heights' School, St. Martins, Philadelphia, and by the Friends' School, Germantown, Philadelphia.

DELAFLAINE, MERIBAH CROFT, ..... *Group*, ———, 1915-17.  
Union, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.

DENT, MARGARET MILLER, ..... *Group*, ———, 1916-17.  
Philadelphia. Prepared by Miss Walker's School, Lakewood, N. J.

DIAMOND, ISABELLA STEVENSON, ..... *Group, Latin and English*, 1913-17.  
Fulton, N. Y. Prepared by the High School, Fulton, by the Baldwin School, Bryn Mawr, Pa., and by the Misses Kirk's School, Bryn Mawr. Syracuse University, 1911-12.

DIXON, HENRIETTA AMELIA, ..... *Group, Chemistry and Biology*, 1913-17.  
East Orange, N. J. Prepared by the High School, East Orange.

DODGE, CHARLOTTE WRIGHT, ..... *Group, English and Italian*, 1914-17.  
Rochester, N. Y. Prepared by Miss Wheeler's School, Providence, R. I.

- DONCHIAN, EUGENIE, . . . . . *Group, Latin and Spanish*, 1912-13, 1914-17.  
New York City. Prepared by the Horace Mann School, New York City.
- DUBACH, ANNA REUBENIA, . . . . . *Group, English and Psychology*, 1915-17.  
St. Louis, Mo. Prepared by Mary Institute, St. Louis. Bryn Mawr Matriculation Scholar for the Western States, 1915-16.
- DUFOURCO, KATHARINE VERMILYE, *Group, French and Spanish*, 1914-17.  
New York City. Prepared by the Hamilton Institute for Girls, New York City.
- DULLES, ELEANOR LANSING, . . . . . *Group, Psychology and Biology*, 1913-17.  
Auburn, N. Y. Prepared by the High School, Auburn, by Mt. Vernon Seminary, Washington, D. C., and by Wykeham Rise, Washington, Conn. First Bryn Mawr Matriculation Scholar for the New England States, 1913-14.
- EBERBACH, ANNA GETZ, . . . . . *Group, English and ———*, 1916-17.  
Cynwyd, Pa. Prepared by Miss Roney's School, Philadelphia, and by the Friends' Select School, Philadelphia.
- EHLERS, ANITA LOUISE ADELE, . . . . . *Group, Latin and ———*, 1915-17.  
Hoboken, N. J. Prepared by the Hoboken Academy.
- EILERS, MARGUERITE ELIZABETH, . . . . . *Group, ———*, 1916-17.  
Sea Cliff, L. I., N. Y. Prepared by the Horace Mann School, New York City, and by the Brearley School, New York City.
- EMERSON, ELISABETH, . . . . . *Group, Chemistry and Biology*, 1913-17.  
Providence, R. I. Prepared by the Lincoln School, Providence.
- EVANS, LUCY, . . . . . *Group, English, Italian and Spanish*, 1914-17.  
Scarborough, N. Y. Prepared by the High School, Ossining, N. Y., by the Misses Shipley's School, Bryn Mawr, Pa., and by private tuition.
- EVERETT, CATHERINE ARMS,  
*Group, Modern History and Economics and Politics*, 1915-17.  
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia. Mary Anna Longstreth Memorial Scholar and Special Scholar, 1915-16.
- EWEN, MARJORIE PATTERSON,  
*Group, Modern History and Economics and Politics*, 1915-17.  
Lake Forest, Ill. Prepared by the Township High School, Evanston, Ill., and by Miss Wright's School, Bryn Mawr, Pa.
- FAUVRE, ELISABETH MAUS, . . . . . *Group, ———*, 1915-17.  
Indianapolis, Ind. Prepared by Tudor Hall, Indianapolis, and by Miss Wright's School, Bryn Mawr, Pa.
- FEGLEY, BEULAH HELEN, . . . . . *Group, Mathematics and Physics*, 1914-17.  
Reading, Pa. Prepared by the High School for Girls, Reading, and by private tuition.
- FERRIS, HILDA, . . . . . *Group, ———*, 1916-17.  
Philadelphia. Prepared by the Friends' West Philadelphia School, and by the Baldwin School, Bryn Mawr, Pa.
- FOSTER, MILDRED,  
*Group, Economics and Politics and Philosophy and Psychology*, 1913-17.  
New York City. Prepared by the Central High School, Washington D. C., by the Friends' School, Washington, and by the Staten Island Academy, Staten Island, N. Y.
- FRANCE, MARGARET VON TORNEY, *Group, Chemistry and Biology*, 1915-17.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- FRASER, LILIAN LORRAINE,  
*Group, Economics and Politics and Philosophy and Psychology*, 1914-17.  
Rochester, Minn. Prepared by the High School, Rochester, by Pillsbury Academy, Owatonna, Minn., and by Albert Lea College, Albert Lea, Minn.
- FROST, MARION LOUISE, . . . . . *Group, ———*, 1916-17.  
Plainfield, N. J. Prepared by the Hartridge School, Plainfield, and by the Shipley School, Bryn Mawr, Pa.



- FULLER, ELIZABETH DOUGLAS, . . . . . *Group*, ———, 1915-17.  
New York City. Prepared by the High School, Durham, N. C., by Mary Institute, St. Louis, Mo., and by the Misses Shipley's School, Bryn Mawr, Pa.
- FULLER, FRANCES HIGGINSON, . . . . . *Group*, ———, 1915-17.  
New York City. Prepared by Runkles Grammar School, Brookline, Mass., and by Miss Haskell's School, Boston, Mass.
- GARDINER, MARY SUMMERFIELD, . . . . . *Group*, ———, 1914-17.  
Garden City, L. I. Prepared by the Cathedral School of St. Mary, Garden City.
- GARRIGUES, RUTH MARTIN, . . . . . *Group*, ———, 1916-17.  
Haverford, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.
- GATLING, ROSALIND,  
*Group, Economics and Politics and Philosophy and Psychology*, 1915-17,  
New York City. Prepared by Briarcliff Manor, Briarcliff, N. Y., and by the Misses Kirk's School, Bryn Mawr, Pa.
- GEST, ANNETTE ELEANOR,  
*Group, Spanish and Italian and History of Art*, 1914-17.  
Trenton, N. J. Prepared by the State Model School, Trenton.
- GIBSON, \* ADELINE PEPPER,  
*Hearer in English, History of Art and Classical Archaeology*, 1914-17.  
Philadelphia. Prepared by Miss Irwin's School and by private tuition.
- GILMAN, MARGARET, . . . . . *Group, French and* ———, 1915-17.  
Wellesley, Mass. Prepared by the Misses Allen's School, West Newton, Mass., and by Dana Hall, Wellesley.
- GLENN, MARY DOROTHY, . . . . . *Group, Latin and German*, 1913-17.  
Johnstown, Pa. Prepared by the High School, Johnstown.
- GOOKIN, NATHALIE CLOTILDE, . . . . . *Group, Latin and* ———, 1916-17.  
Chicago, Ill. Prepared by the Latin School for Girls, Chicago. Western States Matriculation Scholar, 1916-17.
- GRACE, JANET RANDOLPH, . . . . . *Group, Greek and Latin*, 1913-17.  
New York City. Prepared by the Brearley School, New York City. Second Bryn Mawr Matriculation Scholar for New York, New Jersey and Delaware, 1913-14.
- GRANGER, ELISABETH SHERMAN, *Group, English and Philosophy*, 1913-17.  
Philadelphia. Prepared by the Baldwin School, Bryn Mawr, Pa.
- GREENE, DOROTHY, . . . . . *Group*, ———, 1916-17.  
St. Albans, Vt. Prepared by the High School, St. Albans.
- GREENOUGH, BERTHA CLARK,  
*Group, Economics and Politics and Philosophy*, 1913-17.  
Providence, R. I. Prepared by the Hope Street High School, Providence, and by Miss Wheeler's School, Providence.
- GREGG, MARIAN, . . . . . *Group*, ———, 1916-17.  
St. Louis, Mo. Prepared by the Mary Institute, St. Louis.
- GRIGGS, DOROTHY MAITLAND LEE, . . . . . *Group*, ———, 1916-17.  
Ardsley-on-Hudson N. Y. Prepared by the Misses Masters's School, Dobbs Ferry, N. Y., and by the Westover School, Middlebury, Conn.
- HALES, LAURA, . . . . . *Group, English and* ———, 1916-17.  
Oak Park, Ill. Prepared by the High School, Oak Park, and by the Baldwin School, Bryn Mawr, Pa.
- HALL, CONSTANCE SIDNEY, . . . . . *Group, Psychology and Biology*, 1913-17.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Bryn Mawr School Scholar, 1913-14; Maria Hopper Sophomore Scholar, 1914-15.

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\* Mrs. Adeline Pepper Gibson.



- HALL, DOROTHY PHILLIPS, . . . . . *Group, Biology and ———*, 1915-17.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- HALL, JANE, *Group, Modern History and Economics and Politics*, 1915-17.  
Rye, N. Y. Prepared by the Ethical Culture School, New York City, and by Rye Sem-  
inary, Rye, N. Y.
- HALLE, MARION REBECCA, . . . . . *Group, English and Psychology*, 1913-17.  
Cleveland, O. Prepared by the Laurel School, Cleveland.
- HAMILTON, RUTH GERTRUDE,  
*Group, Modern History and Economics and Politics*, 1915-17.  
Erie, Pa. Prepared by the High School, Erie, and by the Misses Shipley's School, Bryn  
Mawr, Pa.
- HANSELL, HELEN, . . . . . *Hearer by Courtesy in English*, 1916-17.  
Haverford, Pa. Prepared by Miss Wright's School, Bryn Mawr, Pa.
- HARDY, MARY, . . . . . *Group, ———*, 1916-17.  
Cockeysville, Md. Prepared by the Bryn Mawr School, Baltimore, Md.
- HARLAN, MARY LEITA, . . . . . *Group, Latin and French*, 1916-17.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore, and by private tuition.
- HARRIS, HELEN MARIE, . . . . . *Group, Physics and Chemistry*, 1913-17.  
Philadelphia. Prepared by the Baldwin School, Bryn Mawr, Pa. Special Frances Marion  
Simpson Scholar, 1913-17.
- HARRIS, LUCY WEYGANDT, . . . . . *Group, French and Modern History*, 1913-17.  
Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia.
- HARRISON, ALICE CUNNINGHAM, *Group, English and Philosophy*, 1916-17.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore, Md.
- HART, RUTH ELOISE, . . . . . *Group, French and Spanish*, 1914-17.  
Brooklyn, N. Y. Prepared by the Girls' High School, Brooklyn, and by private tuition.
- HARTSHORN, MARY MINTURN,  
*Group, Greek and Philosophy and Psychology*, 1916-17.  
Highlands, N. J. Prepared by the Brearley School, New York City, and by private  
tuition.
- HAUPT, ISTAR ALIDA, . . . . . *Group, Psychology and Physics*, 1913-17.  
Roland Park, Md. Prepared by the Bryn Mawr School, Baltimore, Md.
- HAWKINS, MARGARET, . . . . . *Group, ———*, 1916-17.  
Denver, Colo. Prepared by the Wolcott School, Denver, and by Rosemary Hall, Green-  
wich, Conn.
- HAYMAN, CORNELIA, . . . . . *Group, ———*, 1915-17.  
Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia.
- HAYNES, THEODOSIA, . . . . . *Group, English and Italian and Spanish*, 1915-17.  
Longmeadow, Mass. Prepared by Dana Hall, Wellesley, Mass., and by the Misses Ship-  
ley's School, Bryn Mawr, Pa.
- HEALEA, MONICA, . . . . . *Group, ———*, 1916-17.  
New Philadelphia, O. Prepared by the High School, New Philadelphia, and by the Bald-  
win School, Bryn Mawr, Pa.
- HEARNE, GERTRUDE JAMES,  
*Group, Modern History and Economics and Politics*, 1915-17.  
Wayne, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.
- HELMER, PHOEBE ARMISTEAD, . . . . . *Group, ———*, 1916-17.  
Jamaica, N. Y. Prepared by the Cathedral School of St. Mary, Garden City, L. I., N. Y.

- HEMENWAY, ELISABETH,.....*Group, Latin and English, 1913-17.*  
Windsor, Vt. Prepared by St. Agnes School, Albany, N. Y., and by Wykeham Rise, Washington, Conn.
- HEMENWAY, JUDITH MARTHA BASSETT, *Group, Latin and French, 1914-17.*  
Windsor, Vt. Prepared by Wykeham Rise, Washington, Conn.
- HENDERSON, MARGARET ISELIN,  
*Group, Modern History and Economics and Politics, 1913-17.*  
New York City. Prepared by Miss Chapin's School for Girls, New York City.
- HERING, DOROTHEA PAULINE THERESA,  
*Group, Chemistry and Biology, 1915-17.*  
Montclair, N. J. Prepared by the High School, Montclair.
- HERRICK, JOSEPHINE URSULA,.....*Group, ———, 1917.*  
Cleveland, O. Prepared by the Westover School, Middlebury, Conn., by the Laurel School, Cleveland, and by the Misses Kirk's School, Bryn Mawr, Pa.
- HESS, GERALDINE,.....*Group, ———, 1916-17.*  
Council Bluffs, Ia. Prepared by the High School, Council Bluffs, and by Brownell Hall, Omaha, Neb.
- HICKMAN, REBECCA McDOEL,  
*Group, Modern History and History of Art, 1915-17.*  
Chicago, Ill. Prepared by the Chicago Latin School, and by Miss Wheeler's School, Providence, R. I.
- HINDE, SARAH FENTON,.....*Group, English and French, 1913-17.*  
Chicago, Ill. Prepared by the Latin School for Girls, Chicago, and by private tuition.
- HOAG, MARY SCATTERGOOD,.....*Group, French and ———, 1916-17.*  
Haverford, Pa. Prepared by the Pensionnat Cuénoud et Roos, Lausanne, Switzerland, and by the Westtown Boarding School, Westtown, Pa.
- HOBBS, HARRIET,.....*Group, French and Spanish, 1914-17.*  
New York City. Prepared by the Wadleigh High School, New York City.
- HODGE, MARY ROBINSON, . . . *Group, Modern History and French, 1913-17.*  
Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia.
- HODGES, LOUISE FROST,  
*Group, Modern History and Economics and Politics, 1914-17.*  
Washington, D. C. Prepared by the Holton Arms School, Washington, and by Milton Academy, Milton, Mass.
- HOFF, MARGARET,.....*Group, English and French, 1913-17.*  
New York City. Prepared by the Brearley School, New York City.
- HOLCOMBE, EUGENIA,.....*Group, Physics and Chemistry, 1913-17.*  
Washington, D. C. Prepared by the Western High School, Washington, by Miss Walker's School, Lakewood, N. J., and by Miss Madeira's School, Washington.
- HOLLIDAY, KATHARINE AURELIA, . . . *Group, English and Italian, 1914-17.*  
Indianapolis, Ind. Prepared by Tudor Hall, Indianapolis.
- HOLLIS, CLARA ELIZABETH,  
*Group, Modern History and Economics and Politics, 1915-17.*  
Winnetka, Ill. Prepared by the Girtton School, Winnetka.
- HOLLIS, JANETTE RALSTON, *Group, French and Modern History, 1913-17.*  
Cambridge, Mass. Prepared by the Haskell-Dean School, Boston, Mass., by the Dwight School, Englewood, N. J., and by the Cambridge School, Cambridge. Second Bryn Mawr Matriculation Scholar for the New England States, 1913-14; Elizabeth Duane Gillespie Scholar in American History, 1916-17.
- HOLLOWAY, ELIZABETH GORDON,.....*Group, ———, 1916-17.*  
Indianapolis, Ind. Prepared by Tudor Hall, Indianapolis, and by the Principia School, St. Louis, Mo.

- HOLMES, HARRIET BUCHANAN, . . . . . *Group, English and ———*, 1916-17.  
Cincinnati, O. Prepared by the University School, Avondale, Cincinnati, and by private tuition.
- HOLMES, JANET ALEXINA, . . . . . *Group, English and Psychology*, 1915-17.  
St. Louis, Mo. Prepared by Mary Institute, St. Louis.
- HOUGHTON, ELIZABETH,  
*Group, English and Italian*, 1914-15, 1916, 1916-17.  
Chestnut Hill, Mass. Prepared by Miss Winsor's School, Longwood, Mass., by Wykeham Rise, Washington, Conn., and by the Misses May's School, Boston, Mass. Radcliffe College, Semester I, 1915-16.
- HOWELL, CHARLOTTE TERESA, . . . *Group, Chemistry and Biology*, 1914-17.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- HOWELL, FREDERICA BURCKLE,  
*Group, Modern History and ———*, 1915-17.  
Newark, N. J. Prepared by Oldfields, Glencoe, Md., and by the Misses Masters's School, Dobbs Ferry, N. Y.
- HOWES, EDITH MARY, . . . . . *Group, Latin and English*, 1915-17.  
Philadelphia. Prepared by the Girls' High School, West Philadelphia, and by private tuition. City Scholar, 1915-17, and Special Scholar, 1916-17.
- HUFF, HENRIETTA NORRIS, *Group, Greek and Classical Archæology*, 1914-17.  
Williamsport, Pa. Prepared by the High School, Williamsport, and by the Misses Kirk's School, Bryn Mawr, Pa.
- HUMPHREY, HELEN GERMAINE, . . . . *Group, French and ———*, 1916-17.  
New York City. Prepared by the Hawthorne School, New York City, and by the Veltin School, New York City.
- HUMPHREYS, HELEN, . . . . . *Group, German and French*, 1916-17.  
Cleveland, O. Prepared by the East High School, Cleveland, and by private tuition.
- HUNTING, HELEN ELIZABETH, . . . . . *Group, ———*, 1915-17.  
Minneapolis, Minn. Prepared by the Central High School, Minneapolis, and by private tuition.
- HURLOCK, ELIZABETH BERGNER,  
*Group, Economics and Politics and Psychology*, 1915-17.  
Harrisburg, Pa. Prepared by the Seiler School, Harrisburg.
- HUTCHINS, MARGARET GROSVENOR, . . . . . *Group, ———*, 1916-17.  
New York City. Prepared by the Columbus School for Girls, New York City, and by the Brearley School, New York City.
- IDDINGS, FLORENCE ELIZABETH,  
*Group, Modern History and Economics and Politics*, 1913-17.  
North Platte, Neb. Prepared by the High School, North Platte, and by the Misses Kirk's School, Bryn Mawr, Pa. Elizabeth Duane Gillespie Scholar in American History, 1915-16.
- IDDINGS, NANINE RAY, . . . . . *Group, ———*, 1915-17.  
North Platte, Neb. Prepared by the High School, North Platte. University of Nebraska, 1914-15.
- ISRAEL, JAMES MARION, . . . . *Group, Philosophy and Psychology*, 1914-17.  
Minneapolis, Minn. Prepared by the Central High School, Minneapolis.
- JAMES, TERESA DONOHUE, . . . . . *Group, French and Spanish*, 1916-17.  
Washington, D. C. Prepared by Stuart Hall, Staunton, Va., by the Holton Arms School, Washington, and by Miss Madeira's School, Washington.
- JAMESON, JEANNETTA CHALMERS,  
*Group, Modern History and History of Art*, 1913-17.  
Brooklyn, N. Y. Prepared by the Packer Collegiate Institute, and by private tuition.

- JANEWAY, MARGARET MCALLISTER, *Group, Chemistry and Biology*, 1915-17.  
New York City. Prepared by Miss Chapin's School, New York City.
- JEFFERIES, MARJORIE SHARPS, . . . *Group, Chemistry and Biology*, 1914-17.  
Narberth, Pa. Prepared by the High School, Narberth.
- JELLIFFE, SYLVIA CANFIELD, . . . . . *Group, French and Spanish*, 1913-17.  
New York City. Prepared by the Ethical Culture School, New York City, and by study  
in France and Germany.
- JENKINS, DOROTHY DE GROFF, . . *Group, Mathematics and ———*, 1916-17.  
Philadelphia. Prepared by the Stevens School, Germantown, Philadelphia.
- JENKINS, ESTHER LEAVENS, . . . . . *Group, ———*, 1916-17.  
Norfolk, Va. Prepared by the Baldwin School, Bryn Mawr, Pa., and by private tuition.
- JOACHIM, REBECCA ELIZABETH, . . . . *Group, Latin and German*, 1913-17.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia  
Girls' High School Scholar, 1913-17; Mary E. Stevens Scholar, 1915-16; Thomas H.  
Powers Memorial Scholar, 1916-17.
- JOHNSON, ADA FRANCES, . . . . . *Group, Mathematics and Physics*, 1913-17.  
Red Wing, Minn. Prepared by the High School, Red Wing, and by the Lutheran Ladies  
Seminary, Red Wing.
- JOHNSON, ESTHER, . . . . . *Group, Latin and Mathematics*, 1913-17.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. L. C. B. Saul Memorial  
Scholar, 1913-17.
- JOHNSON, HÉLÈNE VENNUM,  
*Group, Economics and Politics and ———*, 1915-17.  
Racine, Wis. Prepared by Kemper Hall, Kenosha, Wis., and by Wykeham Rise, Wash-  
ington, Conn.
- JOHNSTON, AGNES RIDDELL OWEN, . . . . . *Group, ———*, 1916-17.  
Baltimore, Md. Prepared by Mrs. O'Donnell's School, Baltimore, and by the Bryn  
Mawr School, Baltimore.
- JONES, HELEN PICKERING, . . . *Group, Mathematics and Physics*, 1914-17.  
Narberth, Pa. Prepared by the High School, Narberth, by the Gordon School, Phila-  
delphia, and by private tuition.
- JOPLING, CATHARINE HALLER, *Group, Mathematics and Physics*, 1913-17.  
Willoughby, O. Prepared by the Laurel School, Cleveland, O.
- JUSTICE, JEAN GILPIN, . . . . . *Group, ———*, 1916-17.  
Ardmore, Pa. Prepared by the High School, Narberth, Pa.
- KARNS, HELEN COREENE, . . . . . *Group, ———*, 1915-17.  
Benton, Pa. Prepared by Wilkes Barre Institute, Wilkes Barre, Pa. Maria Hopper  
Sophomore Scholar, 1916-17.
- KAUFMANN, WINIFRED HOPE, . . . . *Group, German and ———*, 1915-17.  
Evanston, Ill. Prepared by the Township High School, Evanston.
- KEEBLE, CORNELIA, . . . . . *Group, ———*, 1916-17.  
Nashville, Tenn. Prepared by the Ward Seminary, Nashville, by Ward-Belmont College,  
Nashville, and by the Misses Kirk's School, Bryn Mawr, Pa.
- KEEP, ELEANOR HALLAM, . . . . . *Group, ———*, 1916-17.  
New York City. Prepared by the Brearley School, New York City.
- KELLOGG, LOIS WALCOTT, . . . . . *Group, English and ———*, 1916-17.  
Utica, N. Y. Prepared by the Balliol School, Utica, and by Miss Walker's School, Lake-  
wood, N. J.
- KENDIG, HILDEGARDE KING, *Group, French and Modern History*, 1913-17.  
Waterloo, N. Y. Prepared by Miss Butts's School, Norwich, Conn., by the High School,  
Waterloo, and by the Misses Shipley's School, Bryn Mawr, Pa.



- KINARD, MARGARET CATHARINE, *Group, Mathematics and ———*, 1916-17.  
Lancaster, Pa. Prepared by the Shippen School for Girls, Lancaster, and by private tuition.
- KINGSBURY, HELEN EMILY, . . . . . *Group, Physics and Biology*, 1916-17.  
Bryn Mawr, Pa. Prepared by the Walnut Hill School, Natick, Mass., by the Cambridge School for Girls, Cambridge, Mass., and by the Shipley School, Bryn Mawr, Pa.
- KINSEY, JANE, . . . . . *Group, English and Philosophy*, 1913-17.  
Germantown, O. Prepared by the High School, Germantown, by the Misses Shipley's School, Bryn Mawr, and by private tuition.
- KNEELAND, VIRGINIA, . . . . . *Group, Chemistry and Biology*, 1914-17.  
New York City. Prepared by the Brearley School, New York City. Bryn Mawr Matriculation Scholar for New York, New Jersey and Delaware, 1914-15.
- KRANTZ, MARGUERITE BERTA ELSE, *Group, German and ———*, 1915-17.  
Brooklyn, N. Y. Prepared by the Packer Collegiate Institute, Brooklyn.
- LAFFERTY, MABEL, . . . . . *Group, Latin and English*, 1915-17.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. City Scholar, 1915-17.
- LANDON, ADELAIDE, . . . . . *Group, ———*, 1915-17.  
Staatsburg on Hudson, N. Y. Prepared by Miss A. J. G. Perkins, New York City and by Miss Chapin's School, New York City.
- LANIER, ELIZABETH DAY,  
*Group, Modern History and Economics and Politics*, 1915-17.  
Greenwich, Conn. Prepared by Rosemary Hall, Greenwich.
- LEVY, RUTH JULIETTE, . . . . . *Group, Psychology and Biology*, 1913-17.  
Pittsburgh, Pa. Prepared by the High School, Pittsburgh.
- LINDSEY, MARTHA JANE, . . . . . *Group, ———*, 1916-17.  
Nashville, Tenn. Prepared by the Ward Seminary, Nashville, by the Ward-Belmont School, Nashville, and by Miss Madeira's School, Washington, D. C.
- LITCHFIELD, VIRGINIA DE STEIGNER,  
*Group, Modern History and History of Art*, 1913-17.  
Brookline, Mass. Prepared by Miss Cummings's School, Boston, and by the Winsor School, Longwood, Mass.
- LITTELL, MARGARET, . . . . . *Group, ———*, 1916-17.  
New York City. Prepared by Miss Treat's School, Milwaukee, Wis., by the Brearley School, New York City, and by Miss Walker's School, Lakewood, N. J.
- LITZINGER, MARIE, . . . . . *Group, Latin and Mathematics*, 1916-17.  
Bedford, Pa. Prepared by the High School, Bedford.
- LOEB, IRENE, . . . . . *Group, Latin and Classical Archæology*, 1914-17.  
St. Louis, Mo. Prepared by Mary Institute, St. Louis.
- LOEB, MATHILDE HARRIET, *Group, French and Modern History*, 1913-17.  
Philadelphia. Prepared by the Friends' Central School, Philadelphia.
- LUBAR, ANNA ETHEL, . . . . . *Group, English and German*, 1914-17.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. City Scholar, 1914-17; Special Scholar, 1916-17.
- LUBAR, MARIE AGATHE, . . . . . *Group, English and German*, 1915-17.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1915-17; Special Scholar, 1916-17.
- LUETKEMEYER, ELIZABETH HELEN, . . . . . *Group, ———*, 1916-17.  
Cleveland, O. Prepared by the Laurel School, Cleveland.
- LYNCH, CAROLINE, . . . . . *Group, ———*, 1916-17.  
Harrisburg, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.

- LYNCH, EUGENIE MARGARET, . . . *Group, Latin and Mathematics*, 1914-17.  
Devon, Pa. Prepared by the Tredyffrin-Easttown High School, Berwyn, Pa., and by private tuition.
- MACDONALD, DOROTHY, . . . . . *Group, Mathematics and Physics*, 1913-17.  
Ardmore, Pa. Prepared by the Lower Merion High School, Ardmore. Second Matriculation Scholar for Pennsylvania and Southern States, 1913-14, and Frances Marion Simpson Scholar, 1913-17.
- MACDONALD, ENID SCHURMAN, *Group, Mathematics and Physics*, 1915-17.  
Vancouver, B. C. Prepared by the King Edward High School, Vancouver, and by the Broadway High School, Seattle, Wash.
- MACKENZIE, MARJORIE TAYLOR, *Group, French and History of Art*, 1914-17.  
Halifax, N. S. Prepared by the Horace Mann School, New York City, by the Halifax Ladies College, and by Miss Lander's School, Indianapolis, Ind.
- MACMASTER, AMELIA KELLOGG,  
*Group, English and Psychology*, 1912, 1913-17.  
Elizabeth, N. J. Prepared by the Battin High School, Elizabeth, and by private tuition. Kindergarten Teacher, Newark, N. J., 1905-11, 1912-13. Thomas H. Powers Memorial Scholar, 1914-16.
- MACRUM, EDITH, . . . . . *Group, Mathematics and Physics*, 1915-17.  
Oakmont, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- MALL, MARGARET, . . . . . *Group, Physics and Biology*, 1914-17.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- MALL, MARY LOUISE, . . . . . *Group, Mathematics and ———*, 1916-17.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- MALONE, GERTRUDE EVELYN MARIE, *Group, English and French*, 1913-17.  
Washington, D. C. Prepared by the High School, Leavenworth, Kan., by Deerfield Township High School, Highland Park, Ill., and by the Western High School, Washington.
- MARQUAND, ELEANOR, . . . . . *Group, ———*, 1915-17.  
Princeton, N. J. Prepared by Miss Fine's School, Princeton. Bryn Mawr Matriculation Scholar for New York, New Jersey and Delaware, 1915-16.
- MARTIN, MARJORIE, . . . . . *Group, English, Italian and Spanish*, 1915-17.  
Cambridge, Mass. Prepared by the Buckingham School, Cambridge, and by Miss Haskell's School, Boston, Mass.
- MATZ, EMILY FLORENCE, . . *Group, Psychology and ———*, 1915-16, 1917.  
Hubbard Woods, Ill. Prepared by the Girton School, Winnetka, Ill., and by Miss Wright's School, Bryn Mawr, Pa.
- MCCLURE, ELINOR LOUISE, . . . . . *Group, ———*, 1916-17.  
Columbus, O. Prepared by Rayen High School, Youngstown, O., and by Miss Low and Miss Heywood's School, Stamford, Conn.
- MCCORMACK, JESSIE HUME, . . . . . *Group, ———*, 1916-17.  
La Salle, Ill. Prepared by the La Salle-Peru Township High School, La Salle, and by Northwestern University.
- McFADEN, NATALIE FRIEND, . . . *Group, English and Psychology*, 1913-17.  
Richmond, Va. Prepared by Miss Campbell's School, Richmond, and by the Randolph-Ellett School, Richmond.
- MCMILLAN, GLADYS, . . . . . *Group, Mathematics and Physics*, 1913-17.  
Pensacola, Fla. Prepared by the Classical School, Pensacola, by the Agnes Scott College, Decatur, Ga., and by the Misses Kirk's School, Bryn Mawr, Pa.
- McNEILL, VIRGINIA YERBY, . . *Group, Mathematics and ———*, 1916-17.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- MERCER, ERNESTINE EMMA, . . . . . *Group, Greek and Latin*, 1915-17.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Bryn Mawr Matriculation Scholar for Pennsylvania and the Southern States and Trustees' Philadelphia Girls' High School Scholar, 1915-17.

- MILNE, MARJORIE JOSEPHINE, . . . . . *Group, Greek and Latin*, 1913-17.  
Duluth, Minn. Prepared by the High School, Duluth, and by private tuition. First  
Bryn Mawr Matriculation Scholar for the Western States, 1913-14.
- MOEBIUS, AGNES JEANNETTE, . . . . . *Group, Latin and German*, 1916-17.  
Nutley, N. J. Prepared by the Seminary, Newark, N. J., by the High School, Nutley,  
by the Baldwin School, Bryn Mawr, Pa., and by private tuition.
- MOORE, ANGELA TURNER,  
*Group, Economics and Politics and ———*, 1915-17.  
New York City. Prepared by St. Timothy's School, Catonsville, Md.
- MOORES, EMILY BISHOP,  
*Group, Economics and Politics and Psychology*, 1915-17.  
Indianapolis, Ind. Prepared by the Shortridge High School, Indianapolis.
- MORTON, SARAH WISTAR, . . . . . *Group, English and French*, 1914-17.  
Philadelphia. Prepared by the Stevens School, Germantown, Philadelphia, by Mrs. Chap-  
man and Miss Jones's School, Chestnut Hill, and by the Agnes Irwin School, Philadelphia.
- MOSELEY, MARION RENWICK,  
*Group, Modern History and History of Art*, 1915-17.  
Highland Park, Ill. Prepared by the University School for Girls, Chicago, Ill.
- MUNFORD, MARY SAFFORD, . . . . . *Group, ———*, 1916-17.  
Richmond, Va. Prepared by the Walnut High School, Natick, Mass., by the Misses  
Kirk's School, Bryn Mawr, Pa., and by private tuition.
- NEELY, CORA SNOWDEN, . . . . . *Group, Latin and French*, 1914-17.  
Philadelphia. Prepared by the Stevens School, Germantown, Philadelphia.
- NEWLIN, ALICE HARRISON, . . . . . *Group, English and French*, 1914-17.  
Whitford, Pa. Prepared by Miss Wright's School, Bryn Mawr, Pa.
- O'BRIEN, MIRIAM, . . . . . *Group, ———*, 1916-17.  
Brookline, Mass. Prepared by Miss May's School, Boston, Mass.
- O'CONNOR, MARIAN,  
*Group, Economics and Politics and Philosophy*, 1914-17.  
Brookline, Mass. Prepared by the High School, Brookline. Anna Hallowell Memorial  
Scholar, 1916-17.
- OFFUTT, NANCY JENKINS, . . . . . *Group, ———*, 1916-17.  
Towson, Md. Prepared by Notre Dame of Maryland, Baltimore, and by the Bryn Mawr  
School, Baltimore.
- OPPENHEIMER, CELIA, . . . . . *Group, ———*, 1915-17.  
Washington, D. C. Prepared by the Central High School and by Miss Madeira's School,  
Washington.
- ORMSBY, MIRIAM JOSCELYNE, . . . . . *Group, English and ———*, 1916-17.  
Oak Park, Ill. Prepared by the High School, Oak Park, by the Baldwin School, Bryn  
Mawr, Pa., and by private tuition.
- O'SHEA, MONICA BARRY, . . . . . *Group, English and Philosophy*, 1913-17.  
Brookline, Mass. Prepared by the High School, Brookline, and by Miss Cummings's  
School, Boston, Mass.
- OUTERBRIDGE, KATHLEEN LOUISE NORTON,  
*Group, English and ———*, 1915-17.  
New York City. Prepared by Miss Chapin's School for Girls, New York City.
- PARK, VIRGINIA, . . . . . *Group, ———*, 1916-17.  
Atchison, Kans. Prepared by the College Preparatory School, Atchison, by the Midland  
Academy, Atchison, by Midland College, Atchison, and by private tuition.
- PARSONS, LOIS BURNETT, . . . . . *Group, ———*, 1916-17.  
Columbus, O. Prepared by the Columbus School for Girls, Columbus, O., and by private  
tuition.



- PEABODY, JEANNETTE FÉLICIE, . . . . . *Group, Biology and ———*, 1915-17.  
Cambridge, Mass. Prepared by the Buckingham School, Cambridge, and by Miss Haskell's School, Boston, Mass.
- PEACOCK, MILDRED LEHMAN,  
*Group, Modern History and Economics and Politics*, 1915-17.  
Chicago, Ill. Prepared by Rosemary Hall, Greenwich, Conn., and by the Misses Kirks' School, Bryn Mawr, Pa.
- PEARSON, LAURA HILDRETH, . . . . . *Group, Greek and Spanish*, 1914-17.  
Lowell, Mass. Prepared by the High School, Lowell, and by the Rogers Hall School, Lowell. Bryn Mawr Matriculation Scholar for the New England States, 1914-15.
- PERKINS, WINIFRED STORRS, . . . . . *Group, ———*, 1915-17.  
New York City. Prepared by St. Margaret's School, Waterbury, Conn., by Rosemary Hall, Greenwich, Conn., and by the Veltin School, New York City.
- PERSHING, 2ND, ELIZABETH HELFENSTEIN,  
*Group, French and Modern History*, 1914-17.  
Pineville, Pa. Prepared by the Friends' School, Germantown, Philadelphia, and by private tuition.
- PETERS, DOROTHY ALICE,  
*Group, Economics and Politics and ———*, 1915-17.  
Columbus, O. Prepared by the Columbus School for Girls, Columbus.
- PETERS, LUCRETIA MCCLURE,  
*Group, Modern History and Economics and Politics*, 1915-17.  
New York City. Prepared by the Misses Rayson's School, New York City.
- PITKIN, DORIS ELLEN, . . . . . *Group, English and ———*, 1916-17.  
New York City. Prepared by the Misses Rayson's School, New York City, and by the Brearley School, New York City. New York, New Jersey, and Delaware Matriculation Scholar, 1916-17.
- PORRITT, MARY GERTRUDE, . . . . . *Group, ———*, 1916-17.  
Hartford, Conn. Prepared by the High School, Hartford, and by Rosemary Hall, Greenwich, Conn.
- PRESCOTT, HELEN,  
*Group, Modern History and Economics and Politics*, 1915-17.  
Jamaica Plain, Mass. Prepared by Miss Woodward's School, Boston, Mass., and by Mrs. von Mach's School, Boston, and by private tuition. James E. Rhoads Sophomore Scholar, 1916-17.
- PRESTON, ARLINE FEARON, . . . . . *Group, ———*, 1916-17.  
Fallston, Md. Prepared by Belair Academy, Belair, Md., and by the Hannah More Academy, Reisterstown, Md.
- PREWITT, MARTHA RODES ESTILL, . . . . . *Group, ———*, 1916-17.  
Winchester, Ky. Prepared by Hamilton College, Lexington, Ky., and by Miss Capen's School, Northampton, Mass.
- QUIMBY, HESTER AGNES, . . . . . *Group, Mathematics and Physics*, 1914-17.  
Philadelphia. Prepared by the Girls' High School, Philadelphia.
- RAMSAY, MARY MORRIS, . . . . . *Group, Modern History and ———*, 1915-17.  
Wilmington, Del. Prepared by the Misses Hebb's School, Wilmington.
- RAY, ROBERTA MARIE, . . . . . *Group, Greek and Latin*, 1915-17.  
Allison, Ia. Prepared by the High School, Allison, and by St. Katharine's School, Davenport, Ia.
- REID, HELEN, . . . . . *Group, French and ———*, 1915-17.  
Norfolk, Va. Prepared by St. George's School, Norfolk, Va., and by St. Timothy's School, Catonsville, Md.
- REILLY, ANNA AGNES, . . . . . *Group, Chemistry and Biology*, 1915-17.  
Rosemont, Pa. Prepared by the Lower Merion High School, Ardmore, Pa. Lower Merion High School Scholar, 1915-16; Special Scholar, 1916-17.



- REINHARDT, REBECCA, . . . . . *Group, Modern History and* ———, 1915-17.  
Wilmington, Del. Prepared by the Misses Hebb's School, Wilmington.
- REMINGTON, MARJORIE, . . . . . *Group*, ———, 1915-17  
New York City. Prepared by the Veltin School, New York City.
- REYMERSHOFFER, GERTRUDE, . . . . *Group, Chemistry and Biology*, 1914-17.  
Galveston, Tex. Prepared by the Ball High School, Galveston.
- RHOADS, MARGARET WHITALL, . . . . . *Group*, ———, 1915-17.  
Philadelphia. Prepared by the Friends' School, Germantown, and by the Westtown Boarding School, Westtown, Pa.
- RHOADS, MARIAN, . . . . . *Group, Latin and English*, 1913-17.  
Reading, Pa. Prepared by the High School, Reading.
- RHOADS, REBECCA GARRETT, . . . . *Group, English and Philosophy*, 1914-17.  
Wilmington, Del. Prepared by the Westtown Boarding School, Westtown, Pa., by the Misses Hebb's School, Wilmington, and by private tuition.
- RHOADS, RUTH ELY,  
*Group, Modern History and Economics and Politics*, 1914-17.  
Germantown, Philadelphia. Prepared by the Westtown Boarding School, Westtown, Pa., and by the Friends' School, Germantown.
- RICHARDS, RUTH OLIVE,  
*Group, Modern History and Economics and Politics*, 1913-14, 1915-17.  
Bridgeport, N. J. Prepared by the High School, Woodbury, N. J., and by private tuition. Barnard College, 1914-15.
- RICHARDSON, LESLIE,  
*Group, Economics and Politics and Philosophy and Psychology*, 1914-17.  
Cambridge, Mass. Prepared by the Misses May's School, Boston, Mass.
- RIDLON, JEANNETTE, . . . . . *Group, Philosophy and Psychology*, 1914-17.  
Chicago, Ill. Prepared by the High School, Evanston, Ill., by the University School for Girls, Chicago, and by the Misses Shipley's School, Bryn Mawr, Pa.
- ROBERTS, KATHARINE DEMING, . . *Group, Physics and Chemistry*, 1916-17.  
Wayne, Pa. Prepared by Miss Deming's School, Bryn Mawr, Pa., and by the Baldwin School, Bryn Mawr, Pa.
- ROBINSON, CATHERINE PALMER, . . . *Group, French and* ———, 1916-17.  
Larchmont Manor, N. Y. Prepared by the Larchmont School, Larchmont Manor, and by the Brearley School, New York City.
- ROGERS, DOROTHY LOIS, . . . . . *Group, English and* ———, 1916-17.  
Chicago, Ill. Prepared by the University High School, Chicago, and by the Baldwin School, Bryn Mawr, Pa.
- RONDINELLA, EDITH, . . . . . *Group, French and* ———, 1915-17.  
Philadelphia. Prepared by the Gordon School, Philadelphia.
- ROOD, ALICE QUAN, . . . . . *Group, English and* ———, 1916-17.  
Evanston, Ill. Prepared by the Girton School, Winnetka, Ill. Northwestern University. 1915-16.
- ROSE, AGNES MILNE, . . . . . *Group*, ———, 1916-17.  
Narberth, Pa. Prepared by the High School, Narberth.
- ROSENBERG, ELLA MARY, . . . . . *Group, German and Spanish*, 1914-17.  
Philadelphia. Prepared by the Girls' High School, Philadelphia. Mary Anna Longstreth Scholar, 1914-15; City Scholar, 1914-17; Maria Hopper Sophomore Scholar, 1915-16; Mary E. Stevens Junior Scholar and Special Scholar, 1916-17.
- RUBELMAN, ALICE DOROTHY, *Group, History of Art and* ———, 1915-17.  
Forest Ridge, Mo. Prepared by Mary Institute, St. Louis, Mo.
- RUPERT, MARY SWIFT, . . . . . *Group, English and French*, 1914-17.  
Marshallton, Del. Prepared by the Misses Hebb's School, Wilmington, Del.

- RUSSELL, EMILY CRANE,  
*Group, Spanish and Italian and History of Art, 1913-17.*  
 Lake Forest, Ill. Prepared by the Girton School, Winnetka, Ill.
- ST. JOHN, FRANCES ARCADIA, . . . *Group, Psychology and Biology, 1915-17.*  
 Philadelphia. Prepared by the Girls' High School, Philadelphia, and by the Misses Kirk's School, Bryn Mawr, Pa.
- SANBORN, AMELIA GERTRUDE,  
*Group, Modern History and Economics and Politics, 1915-17.*  
 Indianapolis, Ind. Prepared by the Shortridge High School, Indianapolis.
- SANFORD, ANNA MUNSON, . . . . . *Group, ———, 1916-17.*  
 Honey Brook, Pa. Prepared by Hannah More Academy, Reisterstown, Md., and by private tuition. Frances Marion Simpson Scholar, 1916-17.
- SATO, RYU, . . . . . *Group, Physics and Chemistry, 1913-17.*  
 Tokyo, Japan. Prepared by the Misses Shipley's School, Bryn Mawr, Pa. Foundation Scholar, 1913-17; First Bryn Mawr Matriculation Scholar for Pennsylvania and Southern States, 1913-14; Maria Hopper Sophomore Scholar, 1914-15; Anna Hallowell Memorial Scholar, 1915-16.
- SCATTERGOOD, MARGERY,  
*Group, Modern History and Economics and Politics, 1913-17.*  
 Philadelphia. Prepared by the Westtown Boarding School, Westtown, Pa., and by the Misses Kirk's School, Bryn Mawr, Pa.
- SCHWARTZ,\* MARGUERITE OLGA ADLER,  
*Group, French and Italian and Spanish, 1905-07, 1916-17.*  
 Philadelphia. Prepared by the Wadleigh High School, New York City and by the Girls' High School, Philadelphia.
- SCHWARZ, HELEN CATHERINE, *Group, German and Modern History, 1914-17.*  
 Greenwich, Conn. Prepared by Rosemary Hall, Greenwich.
- SCOTT, MARY, *Group, Modern History and Economics and Politics, 1915-17.*  
 Philadelphia. Prepared by the Girls High School, West Philadelphia.
- SEELYE, ELIZABETH WHITACRE,  
*Group, Economics and Politics and Psychology, 1913-17.*  
 Willoughby, O. Prepared by the High School, Tarrytown, N. Y., and by the Laurel School, Cleveland, O.
- SHAFFER, ADELAIDE WALLACE,  
*Group, Modern History and Economics and Politics, 1914-17.*  
 Knoxville, Tenn. Prepared by the Misses Masters' School, Dobbs Ferry, N. Y., by Wallcourt, Aurora, N. Y., and by the Misses Kirk's School, Bryn Mawr, Pa.
- SHARPLESS, KATHARINE TRUMAN,  
*Group, French and Modern History, 1914-17.*  
 Haverford, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa., and by the Westtown Boarding School, Westtown, Pa. Foundation Scholar, 1914-17.
- SHIPLEY, AGNES DOROTHY,  
*Group, Modern History and History of Art, 1913-17.*  
 Philadelphia. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.
- SHOWELL, ADELINE OGDEN, . . . . *Group, English and Psychology, 1914-17.*  
 Springfield, O. Prepared by the New High School, Springfield.
- SLOAN, LOUISE LITTIG, . . . . . *Group, Mathematics and Physics, 1916-17.*  
 Lutherville, Md. Prepared by the Bryn Mawr School, Baltimore, Md. Second Bryn Mawr School Scholar, 1916-17.

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\*Mrs. Louis Schwartz.

- SMITH, DOROTHY WONDERLY, *Group, French and Modern History*, 1916-17.  
Grand Rapids, Mich. Prepared by Miss Charlotte Moffitt's School, Grand Rapids, by the High School, Grand Rapids, by Miss Madeira's School, Washington, D. C., and by private tuition.
- SMITH, EDITH MARION, . . . . . *Group, Greek and Latin*, 1914-17.  
Pittsburgh, Pa. Prepared by the High School, Peoria, Ill., and by the Bradley Institute, Peoria.
- SMITH, LOUISE TUNSTALL, . . . . . *Group, Greek and Latin*, 1914-17.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Bryn Mawr School Scholar, 1914-15; Maria Hopper Sophomore Scholar, 1915-16.
- SMITH, THALIA HOWARD, . . . *Group, Philosophy and Psychology*, 1913-17.  
New York City. Prepared by the Hawthorne School, New York City. First Bryn Mawr Matriculation Scholar for New York, New Jersey and Delaware, 1912-13; James E. Rhoads Sophomore Scholar, 1914-15; James E. Rhoads Junior Scholar, 1915-16; Maria L. Eastman Brooke Hall Memorial Scholar, 1916-17.
- SNARELY, ALICE MIRIAM, . . . . . *Group, English and French*, 1915-17.  
Philadelphia. Prepared by the Girls' High School, West Philadelphia. City Scholar, 1915-17.
- SORCHAN, LOUISA BEATRICE,  
*Group, Modern History and Economics and Politics*, 1915-17.  
New York City. Prepared by Miss Chapin's School, New York City.
- SPALDING, HELEN ELIZABETH, . . . . . *Group, ———*, 1915-17.  
Detroit, Mich. Prepared by the Liggett School, Detroit.
- STAIR, MARY KEESEY, . . . . . *Group, Psychology and Biology*, 1914-17.  
York, Pa. Prepared by private tuition and by Miss Wright's School, Bryn Mawr, Pa.
- STEELE, GERTRUDE WYOMING, . . . . . *Group, ———*, 1916-17.  
Green Spring Valley, Md. Prepared by the Bryn Mawr School, Baltimore, Md.
- STEUART, LYDIA MORRIS, . . *Group, Psychology and Biology*, 1913-15, 1917.  
Roland Park, Md. Prepared by the Bryn Mawr School, Baltimore, Md., and by private tuition.
- STEVENS, CAROLINE, . . . . . *Group, Chemistry and Biology*, 1913-17.  
North Andover, Mass. Prepared by the Winsor School, Longwood, Mass.
- STEVENS, EDITH, . . . . . *Group, ———*, 1916-17.  
Lowell, Mass. Prepared by the Rogers High School, Lowell.
- STILES, ANNETTE,  
*Group, Modern History and Economics and Politics*, 1915-17.  
Fitchburg, Mass. Prepared by the High School, Fitchburg, and by the Misses Shipley's School, Bryn Mawr, Pa.
- STRAUSS, MARJORIE LORD, . . . . *Group, Chemistry and Biology*, 1914-17.  
New York City. Prepared by the Horace Mann School, New York City.
- STRAYER, HELEN CLYMER, . . . . . *Group, ———*, 1916-17.  
Harrisburg, Pa. Prepared by the Seiler School, Harrisburg.
- TAPPAN, HELEN, . . . . . *Group, Spanish and ———*, 1915-17.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- TATTERSFIELD, OLGA, . . . . . *Group, French and Modern History*, 1913-17.  
Philadelphia. Prepared by Miss Hills's School, Philadelphia, and by the Stevens School, Germantown, Philadelphia.
- TAUSSIG, CATHARINE CROMBIE,  
*Group, Modern History and Economics and Politics*, 1915-17.  
Cambridge, Mass. Prepared by the Cambridge School, Cambridge.

- TAYLOR, SARAH COLE,.....*Group, Chemistry and Biology*, 1915-17.  
Morganton, N. C. Prepared by Miss Shipp, Hendersonville, N. C., and by the Misses Shipley's School, Bryn Mawr, Pa.
- TELLER, FANNIE ESPEN,.....*Group, French and History of Art*, 1913-17.  
Philadelphia. Prepared by the Friends' Central School, Philadelphia.
- THOMAS, KATHARINE COOPER,.....*Group, ———*, 1916-17.  
Columbus, O. Prepared by the Columbus School for Girls, Columbus.
- THOMPSON, MARGARET,  
*Group, Modern History and Economics and Politics*, 1913-17.  
Lake Forest, Ill. Prepared by Rosemary Hall, Greenwich, Conn.
- THORNDIKE, ANNA,.....*Group, Mathematics and Physics*, 1915-17.  
Boston, Mass. Prepared by the Misses May's School, Boston. Bryn Mawr Matriculation Scholar for the New England States, 1915-16.
- THURMAN, MARY LEE,.....*Group, ———*, 1915-17.  
Columbus, O. Prepared by the Columbus School for Girls, Columbus.
- TIMPSON, MARGARET CATHERINE,  
*Group, Modern History and Economics and Politics*, 1914-17.  
New York City. Prepared by Miss Spence's School, New York City.
- TOWNSEND, KATHARINE WENDALL,.....*Group, ———*, 1916-17.  
Boston, Mass. Prepared by the Winsor School, Boston.
- TRAIN, MARGARET ADAMS,.....*Group, ———*, 1916-17.  
New York City. Prepared by Miss Spence's School, New York City, and by St. Timothy's School, Catonsville, Md.
- TURLE, PENELOPE,.....*Group, Modern History and ———*, 1914-17.  
Duluth, Minn. Prepared by the High School, Duluth, by private tuition, Lausanne, Switzerland, and by Rosemary Hall, Greenwich, Conn.
- TURRISH, VIVIAN CORDELIA,  
*Group, Modern History and Economics and Politics*, 1915-17.  
Duluth, Minn. Prepared by Rosemary Hall, Greenwich, Conn., and by the Misses Kirk's School, Bryn Mawr, Pa.
- TUTTLE, MARION,.....*Group, Latin and English*, 1913-17.  
Rockaway, N. J. Prepared by the High School, Rockaway, and by private tuition.
- TYLER, KATHARINE DOUGLAS,  
*Group, Modern History and Economics and Politics*, 1915-17.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- TYLER, MARY ETHELYN,  
*Group, Modern History and Economics and Politics*, 1915-17.  
Philadelphia. Prepared by the Wissahickon Heights School, St. Martins, Philadelphia.
- UCHIDA, FUMI,.....*Group, English and French*, 1916-17.  
Haverford, Pa. Prepared by Kobe College, Kobe, Japan, and by the Misses Kirk's School, Bryn Mawr, Pa.
- VAN RAALTE, FANNIE,.....*Group, ———*, 1917.  
St. Louis, Mo. Prepared by Mary Institute, St. Louis.
- VON HOFSTEN, FRANCES LOUISE,.....*Group, ———*, 1916-17.  
Winnetka, Ill. Prepared by the Girton School, Winnetka.
- WALKER, HELEN EDWARD,..*Group, French, Italian and Spanish*, 1914-17.  
Chicago, Ill. Prepared by Kenwood Institute, Chicago, and by the Loring School, Chicago.
- WALTON, DOROTHEA WETHERILL, *Group, Psychology and Biology*, 1915-17.  
Hartsdale, N. Y. Prepared by the Roger Ascham School, Scarsdale, N. Y.



- WARNER, AMELIA, . . . *Group, English, Philosophy and Psychology*, 1915-17.  
North Randall, O. Prepared by the Laurel School, Cleveland, O.
- WASHBURN, ELIZABETH POPE,  
*Group, Modern History and History of Art*, 1912-17.  
Minneapolis, Minn. Prepared by Stanley Hall, Minneapolis.
- WATRISS, MARTHA,  
*Group, Modern History and Economics and Politics*, 1915-17.  
New York City. Prepared by Miss Chapin's School, New York City, and by Rosemary Hall, Greenwich, Conn.
- WATSON, MERCER, . . . . . *Hearer by Courtesy in English*, 1916-17.  
Bryn Mawr, Pa.
- WEAVER, BETTY M., . . . . . *Group, ———*, 1916-17.  
Clearfield, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa., and by private tuition Frances Marion Simpson Scholar, 1916-17.
- WESTLING, CHARLOTTE HANNAH,  
*Group, German and Italian and Spanish*, 1913-17.  
Philadelphia. Prepared by the Girls' High School, Philadelphia.
- WHEELER, RUTH WADSWORTH,  
*Group, Italian and Spanish and History of Art*, 1915-17.  
Bryn Mawr, Pa. Prepared by the Baldwin School, Bryn Mawr.
- WHITCOMB, HELEN, . . *Group, Modern History and History of Art*, 1914-17.  
Brookline, Mass. Prepared by Miss Haskell and Miss Dean's School, Boston, Mass.
- WHITTIER, ISABEL MARY SKOLFIELD, . . . . *Group, ———*, 1915-16, 1917.  
Brunswick, Me. Prepared by the High School, Brunswick.
- WIGHT, EVELYN,  
*Group, Modern History and Economics and Politics*, 1916-17.  
Brooklyn, N. Y. Prepared by the Packer Institute, Brooklyn, and by Wykeham Rise, Washington, Conn.
- WILCOX, CONSTANCE HUNTINGTON GRENELLE,  
*Group, French and Modern History*, 1913-17.  
Madison, Conn. Prepared by the Ethical Culture School, New York City, and by the Veltin School, New York City.
- WILDMAN, ANNA SNOWDEN,  
*Group, Modern History and Economics and Politics*, 1913-17.  
Leesburg, Va. Prepared by the Thurston-Gleim School, Pittsburgh, Pa.
- WILLARD, MILDRED MCCREARY, *Group, English and Psychology*, 1913-17.  
Merion, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- WILLETT, MARTHA WINSLOW, . . . . . *Group, English and French*, 1913-17.  
Norwood, Mass. Prepared by the High School, Norwood, and by the Winsor School, Longwood, Mass.
- WILLIAMS, ELIZABETH, . . . . . *Group, ———*, 1916-17.  
Evanston, Ill. Prepared by Mlle. Chamorel's School, Vevey, Switzerland, by Miss Wright's School, Bryn Mawr, Pa.
- WILLIAMS, MARJORIE TRUEHEART,  
*Group, Economics and Politics and Psychology*, 1914-17.  
Galveston, Tex. Prepared by the Ball High School, Galveston, and by the Misses Shipley's School, Bryn Mawr, Pa.
- WILLIAMSON, LORNA, . . . . . *Group, ———*, 1916-17.  
Piedmont, Cal. Prepared by Miss Ransom and Miss Bridge's School, Piedmont.
- WILSON, HELEN MOSEMAN, . . . . . *Group, French and English*, 1914-17.  
Grand Rapids, Mich. Prepared by the Central High School, Grand Rapids, and by private tuition.

- WOLF, HARRIET LOEB, . . . . . *Group*, ———, 1916-17.  
Elkins Park, Pa. Prepared by the Friends' Central School, Philadelphia, and by the High School for Girls, Philadelphia.
- WOOD, LOUISE HOLABIRD, . . . . .  
*Group, Economics and Politics and* ———, 1915-17.  
Winnetka, Ill. Prepared by the Girton School, Winnetka.
- WOODBURY, ELIZA GORDON, . . . . . *Group, Greek and English*, 1915-17.  
Manchester, N. H. Prepared by Bradford Academy, Bradford, Mass.
- WOODRUFF, RUTH JACKSON, . . . . .  
*Group, Economics and Politics and Psychology*, 1915-17.  
Scranton, Pa. Prepared by the Central High School, Scranton. Maria Hopper Sophomore Scholar, 1916-17.
- WORCESTER, CONSTANCE RULISON, . . . . . *Group, English and* ———, 1915-17.  
Boston, Mass. Prepared by the Winsor School, Longwood, Mass.
- WORCH, MARGARET, . . . . . *Group, English and Psychology*, 1914-17.  
Providence, R. I. Prepared by Miss Wheeler's School, Providence.
- WORLEY, MARY CELINDA, . . . . .  
*Group, Modern History and Economics and Politics*, 1913-17.  
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- WORTMAN, HELEN, . . . . . *Group*, ———, 1916-17.  
Portland, Ore. Prepared by the Baldwin School, Bryn Mawr, Pa.
- WRIGHT, JEAN GRAY, . . . . . *Group, French and* ———, 1915-17.  
Lincoln University, Pa. Prepared by private tuition.
- ZILKER, BIRDIE BOLEYN, . . . . . *Group*, ———, 1916-17.  
San Antonio, Tex. Prepared by the Mulholland School, San Antonio, and by the Misses Shipley's School, Bryn Mawr, Pa.
- ZIMMERMAN, HELEN BURN, . . . . . *Group, Latin and Mathematics*, 1913-17.  
Eberly's Mill, Pa. Prepared by the Seiler School, Harrisburg, Pa., and by private study. Special Scholar, 1915-16; Anna M. Powers Memorial Scholar, 1916-17.
- ZINSSER, HELEN MARIE MOHR, . . . . . *Group*, ———, 1916-17.  
New York City. Prepared by Miss Spence's School, New York City.

## SUMMARY OF STUDENTS.

|                                 |       |
|---------------------------------|-------|
| Class of 1917, . . . . .        | 77    |
| Class of 1918, . . . . .        | 66    |
| Class of 1919, . . . . .        | 111   |
| Class of 1920, . . . . .        | 106   |
| Class of 1921, . . . . .        | 2     |
| Hearers, . . . . .              | 4     |
|                                 | — 366 |
| Resident Fellows, . . . . .     | 15    |
| Graduates, . . . . .            | 70    |
|                                 | — 85  |
| Non-Resident Fellows, . . . . . | 4     |
|                                 | —     |
| Total, . . . . .                | 455   |



**BRYN MAWR COLLEGE.**

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BRYN MAWR COLLEGE was founded by Dr. Joseph W. Taylor, of Burlington, New Jersey, who died January 18th, 1880. By his will he left the greater portion of his estate for the purpose of establishing and maintaining an institution of advanced learning for women. The college is situated in the suburbs of Philadelphia, at Bryn Mawr, Pennsylvania, five miles to the west of the city. The site was purchased by the founder on account of its healthfulness and beauty, and the college buildings were begun during his lifetime. In 1880, the year of his death, the college was incorporated by the authority of the State of Pennsylvania, and invested with power to confer degrees. A circular of information was issued by the trustees in 1883. A president and a dean of the faculty were elected in the spring of 1884, and during the remainder of the year plans were matured and appointments made in the faculty. The courtesy of the presiding officers and instructors of existing universities and colleges facilitated an acquaintance with the prevailing college curriculum, and the domestic organisation of the woman's colleges, Vassar, Smith, and Wellesley, received careful consideration. To the Johns Hopkins University acknowledgment is especially due, since from it has been borrowed the system of major and minor electives in fixed combination to which Bryn Mawr College first gave the name of the Group System. In the spring of 1885 the first catalogue was issued, and the college was opened for instruction in the autumn of 1885.

*Introductory  
Statement.*

Three classes of persons are admitted to the lectures and class work of the college—graduate students, undergraduate students, and hearers.

*Admission.*

Graduate students must have presented a diploma from some college of acknowledged standing. They may pursue any courses offered by the college for which their previous training has fitted them; but they must satisfy the several instructors of

*Graduate  
Students.*



their ability to profit by the courses they desire to follow, and may be required to pursue certain introductory or auxiliary studies before they are admitted to the advanced or purely graduate courses.\* They are, moreover, entitled to personal guidance and direction, supervision of their general reading and furtherance of their investigations, from the instructors, and their needs are considered in the arrangement of new courses of lectures.

***Fellows  
and  
Scholars.***

The most distinguished place among the graduate students is held by the fellows and graduate scholars, who must reside in the college during the academic year. Four European travelling fellowships, nineteen resident fellowships and thirty-seven graduate scholarships are awarded annually. The conditions of the award and the duties of holders of fellowships and scholarships are stated on pages 198 to 202.

***Under-  
graduate  
Students.***

Undergraduate students must have fulfilled the requirements for matriculation, stated on pages 166 to 175, and may enter the college at any age at which those requirements have been fulfilled. The studies leading to the degree of Bachelor of Arts are stated on pages 175 to 184.

Those students who do not wish to study for a degree are permitted to pursue any undergraduate courses offered by the College for which their previous training has fitted them; they will, in the event of a change of plan, be credited with such of their studies as may have coincided with the studies leading to a degree. Attention is called to the fact that the Group System enables all candidates for a degree to specialise in two or more subjects.

***Hearers.***

Hearers are excused from passing the matriculation examination; but they are strictly distinguished from matriculated students, and are entitled to reside in the college only when by so doing they exclude no matriculated student, and when the courses pursued by them are equivalent in number to those ordinarily pursued in each year by candidates for a degree.

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\* For the convenience of graduate students the courses offered in the graduate departments of the college are reprinted from this in a separate part of the calendar, Part 2. Graduate Courses, which may be obtained free of charge by applying to the Secretary of the College.

They must be women of at least twenty-five years of age, and must furnish proof that they have at some time pursued the studies included in the matriculation examination. They must satisfy the several instructors that they can profit by the courses that they desire to follow, and their admission to recitations, examinations, and laboratory exercises depends on the express consent of the instructor in charge. Hearers differ, moreover, from matriculated students in that they are not recognised by the College, and may receive only such certificates of collegiate study as may be given them by the several instructors. They may not receive degrees.

All candidates for the degree of Bachelor of Arts must elect their courses in accordance with the Group System, and an understanding of the principles of the system is necessary for an intelligent selection of courses.

*The  
Group  
System.*

In all departments as yet fully organised there is a course of five hours a week for two years, called a Major Course. Whenever one year of this course is of such a nature that it may be taken separately, it is designated as a Minor Course. Every candidate for a degree is required to take two such major courses as shall be homogeneous, or shall complete each other, and major courses which fulfil this condition are designated as Groups. The object of this system is to enable the student to acquire the foundations of a specialist's knowledge; and the Required Courses, namely, English (two years), philosophy, science, (two years, or, if a second year of science be not elected, history, or economics and politics, or philosophy, or psychology, or mathematics), are intended in part to supplement the Group, and in part to insure a more liberal training than could be obtained if every student combined elective studies at pleasure.

*Major  
Course.*

The required two years' course in English serves as a general introduction to the study of language and comparative literature. The required two years in science (or the substitute permitted of one year's course in science and one year's course in history, economics and politics, philosophy, or psychology, or mathematics), permit the student of chemistry and biology to pursue advanced courses in one or both of these branches, or to take a major course in physics; and they give for one year at

*Required  
Courses.*

least to the student of history and literature the same kind of instruction and discipline as is received by the scientific student. The one year's course in philosophy is a general introduction into the study of the laws, conditions, and history of thought.

*Post-Major  
Courses.*

In almost all departments post-major courses, truly advanced courses which answer to graduate courses in many colleges, are organised and may be elected by students that have completed the major, or group, work in the subject.

*Free Elective  
Courses.*

All minor courses that do not presuppose required courses may be elected by any student, and special free elective courses of one, two, or three hours a week, are offered in many departments.

*Courses  
of  
Study.*

There are offered each year to undergraduates major courses of five hours a week, for two years, in the following subjects: Greek, Latin, English, German, French, Italian and Spanish, Modern History, Ancient History, Economics and Politics, Philosophy, Psychology, Classical Archæology, History of Art, Mathematics, Physics, Chemistry, Geology, and Biology; and elective courses in the above and in Biblical Literature, Experimental Psychology, and Education.

Graduate courses are offered in Sanskrit and Indo-European Philology, Greek, Latin, English Philology including Anglo-Saxon, Early and Middle English, English Literature, German Literature, Gothic, Teutonic Philology, Old Norse, Old High German, Middle High German, Old Saxon, Modern and Old French, Italian, Spanish, and other Romance Languages, Hebrew, Aramaic, Assyrian, Biblical Literature, History, Economics and Politics, Social Economy and Social Research, Philosophy, Psychology, Education, Classical Archæology, History of Art, Mathematics, Physics, Chemistry, Physical Chemistry, Geology, Mineralogy, Paleontology, Morphology, Physiology, and Biochemistry.

*Courses in  
Language  
and  
Literature.*

The courses in language and literature are meant, first of all, to be complete in themselves and extensive enough to meet the needs of special students, and secondly, to facilitate the study of comparative philology or of comparative literature. Whenever it has been practicable, as in Greek and Latin and in the modern



languages, one half of the major course has been devoted to strictly linguistic studies, and the other half to the history of literature. The group work in English is constructed on this model, one half of the course being devoted to philology, and the other half to literary interpretation. Courses of parallel reading are required of all students of language and literature, precisely as laboratory work is required of the students of chemistry or biology; these courses are intended to acquaint the students with the works of numerous authors, and it is especially hoped that students of Greek and Latin will, by this means, accustom themselves to read these languages without assistance.

The courses in ancient and modern languages are of equal difficulty, and are placed on a footing of equality. The traditional separation between ancient and modern languages has been disregarded, because, although strictly classical students may always be inclined to combine Greek and Latin, there is, nevertheless, no modern literature of which the study may not fitly be preceded, or supplemented, by the study of Latin or Greek.

Whenever possible, as in the courses in Greek, Latin, English, German, and French literature, in history, politics, philosophy, the history of art, mathematics, and science, the instruction is given by means of lectures. *Lectures.* It is the object of these lectures to give a clear and succinct statement of facts and principles; to enumerate and criticise with frankness hand-books, authorities, and editions; to bring the student's knowledge up to date, and to inform her, step by step, what things have been definitely ascertained and what things remain to be investigated. It is intended that the notes taken on these lectures, in addition to their immediate practical use, shall be of lasting value for reference, and be the starting-point, or at least the schedule, of studies to be undertaken at some future day. Every isolated student knows how difficult it is to be initiated into the modern scholastic movement otherwise than orally; therefore, in addition to the lectures, the several instructors appoint certain hours in which the students may consult them freely. The lectures are accompanied by class work, prescribed reading, and by frequent examinations; they are strictly special, not popular.



The Professors or Associates appointed are the recognised heads of their departments, and only such instructors have been chosen as are qualified to direct both graduate and undergraduate work.

***Courses of Instruction.***

The undergraduate and graduate courses offered in the years 1916-17 and 1917-18 are as follows:

**Sanskrit, Greek, and Latin.**

Professors and instructors: Dr. Arthur Leslie Wheeler, Dr. Henry Nevill Sanders, Dr. Wilmer Cave Wright, Dr. George A. Barton, Dr. Tenney Frank,\* Dr. James Fulton Ferguson, Dr. Thomas De Coursey Ruth, Dr. Edward Henry Sehrt, Miss Abby Kirk, and Dr. Mary Hamilton Swindler.

Exceptional facilities for the study of all departments of classical philology are offered by the large classical library owned by the college. The greater part of this library is formed by the well-known collection of the late Professor Hermann Sauppe, of Göttingen, which was acquired in 1894. This has been supplemented by purchases made by the college library, so that the classical library now numbers some seven thousand volumes, including complete sets of most of the important journals, and about seven thousand dissertations and monographs.

**Sanskrit and Comparative Philology.**

The instruction in this department is under the direction of Dr. Edward Henry Sehrt, Lecturer in Teutonic Philology, and a non-resident lecturer in Comparative Philology.

**GRADUATE COURSES.**

***Graduate Courses.***

Lectures on Comparative Philology and Philological Seminary.

*Two hours a week throughout the year.*

Students entering this course are expected to be familiar with German and French; a short preliminary course in Sanskrit is also of great aid to the student. The lectures on comparative philology treat of the connection of the Greek and Latin languages with the related languages of the Aryan group, first, phonetically, secondly, from the point of view of grammatical forms, and lastly, from the point of view of syntax. In the first part of the course, which covers what during the past years has been the field of the most active research, the student is introduced to the latest theories and discoveries in Aryan phonetics and is expected to read and criticise the articles appearing from time to time in the philological journals, and to prepare reports on these articles. The same method is pursued

\* Granted leave of absence for the year 1916-17.

during the investigation of the history of forms; and in the third part of the course the student begins the study of comparative syntax by a close comparison of the use of cases and verbal forms in Sanskrit, Greek, and Latin.

#### Elementary Sanskrit, Dr. Sehrt.

*Two hours a week throughout the year.*

Whitney's *Grammar* is used, and the classical selections from Lanman's *Reader* are read. Lectures are given on the phonology and morphology of Sanskrit.

The courses in Comparative Philology and in Elementary Sanskrit will not, as a rule, be given in the same year.

#### Second Year Sanskrit, Dr. Sehrt.

*One or two hours a week throughout the year.*

The Vedic selections in Lanman's *Reader* are read, with some additional hymns from the *Rigveda*. Selections from the classical literature are read at sight. Exercises in etymology are given to supplement the lectures on the phonology. The courses in Elementary and Second Year Sanskrit will not in general be offered in the same year.

#### Advanced Sanskrit.

*Two hours a week throughout the year.*

Selected texts are read: the *Bhagavad-Gītā*; Kālidāsa's *Çakuntalā*, Acts I and II, with a careful study of the Prākṛit; selected hymns of the *Atharvaveda*. During the second semester the course is conducted as a seminary, with use of the native commentaries.

### Greek.

The instruction in this department is under the direction of Dr. Henry Nevill Sanders, Professor of Greek; Dr. Wilmer Cave Wright, Associate Professor of Greek; Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Miss Abby Kirk, Reader in Elementary Greek. The instruction offered in Classical Greek covers twenty-six hours of lectures and recitations a week apart from courses in Classical Archæology and New Testament Greek; it includes five hours a week of Matriculation Greek; ten hours a week of undergraduate major and minor work; five hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in Greek; and six hours a week of graduate work.

A course of five hours a week throughout the year is provided for those students that wish to study Greek and whose examination for matriculation did not include it. Grammar and Composition are studied. Xenophon's *Anabasis* or *Memorabilia* and selections from Homer are read. Students may substitute for this course the minor, or first year's course in Latin. Either the matriculation course in Greek or the minor course in Latin is required of all candidates for the degree of Bachelor of Arts that have not passed the matriculation examination in Greek. This course is given by Miss Kirk under the direction of Dr. Wright.

**Matriculation Course.**

## FIRST YEAR.

(Minor Course.)

## 1st Semester.

(Given in each year.)

**Major Course.**

Plato, *Apology* and *Crito* or *Protagoras* or *Phædo*, and Greek Prose Composition, Dr. Sanders. Two hours a week.

Sophocles, *Antigone*, Dr. Sanders. One hour a week.

Homer, *Odyssey*, Dr. Wright. Two hours a week.

(May be taken as a free elective.)

The Greek courses may not be offered for examination for advanced standing without class attendance.

Private reading: Euripides, *Alcestis*, ll. 1 to end must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 1-475 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 1-728 must be read by students taking the courses in Plato and in Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

## 2nd Semester.

Euripides, *Medea*, and Greek Prose Composition, Dr. Sanders.

Two hours a week.

Herodotus, Dr. Sanders.

One hour a week.

Homer, *Iliad*, Dr. Wright.

Two hours a week.

(May be taken as a free elective.)

The Greek courses may not be offered for examination for advanced standing without class attendance.

Private reading: Sophocles, *Philoctetes*, ll. 1-1080 and 1218-1313 must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 476-961 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 729 to end must be read by students taking the courses in Euripides and Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

## SECOND YEAR.

## 1st Semester.

(Given in each year.)

Demosthenes, Dr. Sanders.

Two hours a week.

Work in Greek prose composition is given in connection with this course.

Aristophanes, Dr. Sanders.

One hour a week.

History of Greek Literature, Ionio-Dorian, and Attic periods, Dr. Wright.

Two hours a week.

Students who have not taken the work of the minor course are admitted to the course in History of Greek Literature as a free elective.

Private reading: Æschylus, *Prometheus Vinculus*, ll. 1 to end must be read by students taking the five-hour course; Æschylus, *Persæ*, ll. 1-680 must be read by students taking the courses in Demosthenes and Aristophanes, omitting the course in Greek literature; Æschylus, *Prometheus Vinculus*, ll. 1-436 must be read by students taking the course in Greek literature, omitting the courses in Demosthenes and Aristophanes. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

*2nd Semester.*

Thucydides, Dr. Sanders.

*Two hours a week.*

Work in Greek prose composition is given in connection with this course.

Sophocles, Dr. Sanders.

*One hour a week.*

History of Greek Literature, Attic, Alexandrine, and Græco-Roman periods, Dr. Wright.

*Two hours a week.*

Students who have not taken the work of the minor course are admitted to the course in History of Greek Literature as a free elective.

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also. The lectures on Demosthenes and Thucydides and the one-hour courses in Aristophanes and Sophocles may not be elected separately.

Private reading: *Æschylus, Persæ*, ll. 1 to end must be read by students taking the five-hour course; *Æschylus, Persæ*, ll. 681 to end must be read by students taking the courses in Thucydides and Sophocles, omitting the course in Greek literature; *Æschylus, Prometheus Vinculus*, ll. 437-876 must be read by students taking the course in Greek literature, omitting the courses in Thucydides and Sophocles. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.*Group:* Greek with any language, *or* with Philosophy, *or* with Philosophy and Psychology, *or* with Psychology, *or* with Ancient History, *or* with Classical Archæology, *or* with Mathematics.

## FREE ELECTIVE COURSES.

Minor courses, amounting to ten hours a week which may be taken as free electives, are offered in Ancient History and Classical Archæology. See pages 97 to 99, and 124 to 125.

***Free  
Elective  
Courses.***

## POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. No student that has not completed the equivalent of the minor and major courses in Greek is admitted to any post-major course in Greek.

***Post-  
Major  
Courses.***

In 1916-17 the following post-major courses are offered:

*1st Semester.*

Minor Orations of the Attic Orators, Dr. Sanders.

*Two hours a week.*Sophocles, *Ædipus Tyrannus*, Dr. Sanders.*One hour a week.*

Melic Poets, Dr. Wright.

*Two hours a week.**2nd Semester.**Æschylus, Agamemnon*, Dr. Sanders.*Two hours a week.*

Greek Prose Composition and the Evolution of Style, Dr. Sanders.

*One hour a week.*Plato, *Republic*, Dr. Wright.*Two hours a week.*



In 1917-18 the following post-major courses are offered:

*1st Semester.*

Sophocles, *Trachiniae* and Euripides, *Heracles*, Dr. Sanders.

*Two hours a week.*

Herodotus or Aristophanes, Dr. Sanders.

*One hour a week.*

Theocritus, Dr. Wright.

*Two hours a week.*

*2nd Semester.*

Greek Rhetoricians and Prose Composition, Dr. Sanders.

*One hour a week.*

Bacchylides, Dr. Sanders.

*One hour a week.*

Euripides, *Bacchæ*, Dr. Sanders.

*One hour a week.*

Æschylus, *Septem*, or Lucian, Dr. Wright.

*Two hours a week.*

In 1918-19 the following post-major courses are offered:

*1st Semester.*

Æschylus, *Oresteia*, Dr. Sanders.

*Two hours a week.*

Fourth Century Critics, Dr. Sanders.

*One hour a week.*

Palatine Anthology, Dr. Wright.

*Two hours a week.*

*2nd Semester.*

Pindar, Dr. Sanders.

*Two hours a week.*

Sophocles, *Electra* or Euripides, *Electra*, Dr. Sanders.

*One hour a week.*

Sophocles, *Ajax*, Dr. Wright.

*Two hours a week.*

GRADUATE COURSES.

**Graduate Courses.**

Six hours a week of seminary work are offered each year to graduate students of Greek, accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduates.

The graduate courses in Greek are varied from year to year in two series, Attic Tragedy, Orators, and Historians, and the Homeric Question, Plato, and Aristophanes, in order that they may be pursued by a student for consecutive years. Students electing Greek as a major subject for the degree of Doctor of Philosophy must offer not less than two seminars and the journal club for two years and if Greek be also elected as the associated minor the candidate must offer two seminars and the journal club for three years. A list of approved associated minors and independent minors is given in the Regulations of the Academic Council. A large part of the work expected of graduate students consists of courses of reading pursued under the direction of the department, and reports of

this reading are from time to time required of the students. A reading knowledge of French and German is required. The course in Comparative Philology is recommended to graduate students of Greek. For graduate courses in Classical Archaeology, which may be offered as an associated or independent minor by students taking Greek as a major for the degree of Doctor of Philosophy, see pages 125 to 126.

Greek Seminary, Dr. Sanders.

*Three hours a week throughout the year.*

*(Given in each year.)*

In 1916-17 Greek Historians are the main subject of the seminary. Thucydides is studied in detail and reports are made on data of history contained in Greek literature in general. Lectures are given by the instructor on subjects connected with Greek historiography, such as the composition of Thucydides's history, the syntax and style of Thucydides, the history of early prose, Greek historical inscriptions.

In 1917-18 Attic Tragedy will be the subject of the seminary. The work of the seminary in textual criticism is devoted to Æschylus. Members of the seminary report on assigned subjects and give critical summaries of current classical literature.

In 1918-19 Greek Orators will be studied in the seminary. The work consists of the reading of large portions of all the orators and the critical interpretation of a selected part of each. Lectures are given on legal antiquities, the syntax, and the style of the various authors, in conjunction with which Dionysius of Halicarnassus and the Greek Rhetoricians are studied. The later rhetoricians are treated and their criticism of antiquity investigated. Students are expected to provide themselves with the Teubner text editions of Antiphon, Andocides, Lysias, Isocrates, Isæus, Æschines, Hyperides, and Demosthenes. The classical library is well equipped with works on the orators.

Greek Seminary, Dr. Wright.

*Two hours a week throughout the year.*

*(Given in each year.)*

In 1916-17 Aristophanes is the subject of the seminary. The aim of the seminary is to make the students familiar with the more important Aristophanic literature up to the present day. Portions of the text are interpreted by the class and reports on assigned topics, literary, historical, and archaeological, connected with the plays are expected from all the members. All the comedies of Aristophanes are read in the course of the year; lectures are given by the instructor on the metres and syntax of Aristophanes, on the dramatic structure of the plays and on the history of Attic comedy. Part of the work consists of analyses of Latin and German dissertations on Aristophanes which are presented by members of the class. Every member of the class should provide herself in advance with a complete text of Aristophanes. The Clarendon Press (Oxford) edition is recommended.

In 1917-18 Plato will be the subject of the seminary. The work is mainly literary and critical. Lectures on the style, philosophy, and chronology of the dialogues are given by the instructor; a detailed interpretation of a portion of Plato, and reports on topics set for discussion are given by the class. The students are expected to read the *Republic*, *Theætetus*, *Parmenides*, and *Sophist* and discuss certain problems arising from these dialogues. The aim of the course is to lay a foundation for independent work by familiarising the students with the achievements of German scholarship and the general field of Platonic literature up to the present day. Analyses of German and Latin dissertations are expected from the class. Lutoslawski's *Origin and Growth of Plato's Logic* is criticised in detail. Every member of the seminary should provide herself in advance with a complete text of Plato. The Clarendon Press (Oxford) edition is recommended.

In 1918-19 the Homeric Question will be the subject of the seminary; the work consists of a review of the discussions of the Homeric poems since the publication of Wolf's *Prolegomena*. The various tests that have been applied to the poems by archæologists, linguists, historians of myths, and æsthetic critics are taken up and criticised in detail.

Greek Journal Club, Dr. Sanders and Dr. Wright.

*One and a half hours once a fortnight throughout the year.*

The instructors and the advanced students meet to report on and discuss recent articles and books.

## Latin.

The instruction in this department is under the direction of Dr. Arthur Leslie Wheeler, Professor of Latin, Dr. Tenney Frank,\* Professor of Latin, Dr. James Fulton Ferguson, Associate Professor of Ancient History and Latin, Dr. Thomas De Coursey Ruth, Lecturer in Latin, and Dr. Mary Hamilton Swindler, Instructor in Latin and Classical Archæology. The instruction offered in Latin covers twenty-three hours of lectures and recitations a week, and includes ten hours a week of undergraduate major and minor work; one hour a week of free elective, six hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in Latin; and six hours a week of graduate work.

### FIRST YEAR.

(*Minor Course.*)†

#### 1st Semester.

(*Given in each year.*)

#### **Major Course.**

Cicero, *Letters*, Dr. Wheeler, Dr. Ferguson, and Dr. Swindler.

*Three hours a week.*

The class is divided into three sections, one of which is assigned to each instructor.

Horace, *Odes*, Dr. Frank,\* Dr. Ferguson, and Dr. Swindler.

*Two hours a week.*

(May be taken as a free elective.)

The class is divided into three sections, one of which is assigned to each instructor.

Private reading: Sallust's *Catilina* must be read during the first semester by students taking the five-hour course. Students taking the course in Horace only must read one half of the *Catilina* in each semester, while those taking the three-hour course in Cicero only read one half of Livy I (selections) in each semester. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

#### 2nd Semester.

Terence, *Phormio*, *Adelphoe*, and *Andria*, Dr. Wheeler, Dr. Ferguson, and Dr. Swindler.

*Three hours a week.*

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\* Granted leave of absence for the year 1916-17. The courses offered by Dr. Frank are given by Dr. Ruth in 1916-17.

† For regulations regarding the passing off of the Minor Latin, see footnote, page 172. Students passing off the Minor Latin course for advanced standing are not required to take the separate examinations in private reading.



Horace, *Selections from the Satires and Epistles* and Vergil, *Eclogues*,  
Dr. Frank,\* Dr. Ferguson, and Dr. Swindler. *Two hours a week.*

(May be taken as a free elective.)

Private reading: Livy I (selections) must be read by students taking the five-hour course. Livy I (selections) (second half) must be read by students taking the course in Terence only. Sallust, *Catilina* (second half) must be read by students taking the course in Horace only. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

## SECOND YEAR.

### 1st Semester.

(Given in each year.)

Tacitus, *Annals*, Dr. Wheeler.

*Two hours a week.*

The reading is devoted chiefly to those parts of *Books i-vi* bearing on the character of Tiberius, a study of which forms one of the main objects of the course. Other important topics are Tacitus's method as a historian, his style as a writer, the peculiarities of "Silver" Latin, etc. Several lectures are given on these and other subjects.

Latin Composition, Dr. Wheeler.

*One hour a week.*

Training in writing Latin is intended to give the student a more intimate knowledge of the language and to aid her in differentiating the styles of the authors read in the course. There will be some practice in oral work.

Lectures on Latin Literature, Dr. Frank.\*

*Two hours a week.*

The lectures in this course treat the history of Latin Literature from its earliest beginnings down to the end of the second century of the Christian era, including all the authors from whose writings any important remains have been preserved. The libraries in each hall contain texts of the most important authors and extensive reading is required.

No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

Private reading: Suetonius, *Tiberius* must be read by students taking the five-hour course; Tacitus, *Agricola* (first half) must be read by students taking the course in Tacitus only; Suetonius, *Tiberius* (first half) must be read by students taking the course in Latin Literature only. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

### 2nd Semester.

Latin Comedy, Plautus, Dr. Wheeler.

*Two hours a week.*

The origin, development, and characteristics of Roman comedy are studied. Much attention is devoted to the peculiarities of archaic and colloquial Latin and to the reading of the simpler metres. Such topics as the theatre, stage, and actors receive special treatment in lectures. Three or four plays are read in class.

Latin Composition (continued), Dr. Wheeler.

*One hour a week.*

Lectures on Latin Literature (continued), Dr. Frank.\*

*Two hours a week.*

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also.

No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

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\* See footnote, page 62.



Private reading: Tacitus, *Agricola* must be read by students taking the five-hour course; Tacitus, *Agricola* (second half) must be read by students taking the course in Latin Comedy; Suetonius, *Tiberius* (second half) must be read by students taking the course in Latin Literature only. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Latin courses.

*Group:* Latin with any language, or with Philosophy, or with Classical Archaeology, or with Ancient History, or with Mathematics.

#### FREE ELECTIVE COURSE.

#### **Free Elective Course.**

Lectures on Roman Life, Dr. Frank.\* *One hour a week throughout the year.  
(Given in each year.)*

An attempt is made to describe briefly Roman social and economic conditions, as well as the development of religious beliefs and institutions.

#### POST-MAJOR COURSES.

#### **Post- Major Courses.**

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. No student that has not completed the minor and major courses in Latin is admitted to any post-major course in Latin.

In 1916-17 and again in 1918-19 the following post-major courses are offered:

#### *1st Semester.*

Roman Elegy, Dr. Wheeler. *Two hours a week.*

An effort is made to trace historically the development of this branch of poetry among the Romans. Selections from Catullus, Tibullus, Propertius, and Ovid are read and the readings are supplemented by occasional lectures. Special attention is devoted to the structure and reading of the elegiac distich and to the characteristics of Roman poetic diction. Each student is required to prepare papers on assigned topics in each semester.

The Life and Works of Vergil, Dr. Frank.\* *Three hours a week.*

The larger part of the *Aeneid*, two books of the *Georgics* and some of the minor poems are read and discussed.

Latin Prose Composition, Dr. Frank.\* *One hour a week.*

#### *2nd Semester.*

Roman Elegy (continued), Dr. Wheeler. *Two hours a week.*

Roman Prose of the Empire, Dr. Frank.\* *Three hours a week.*

Selections from Velleius, Seneca, Quintilian, Tacitus, Suetonius, Apuleius and Minucius Felix are read.

Latin Prose Composition (continued), Dr. Frank.\* *One hour a week.*

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\* See footnote, page 62.

In 1917-18 and again in 1919-20 the following post-major courses are offered:

### 1st Semester.

Roman Satire, Dr. Wheeler.

*Two hours a week.*

The subject is treated historically in order to give an outline of the origin and development of Satire. The class reads selections from Horace, Persius, Seneca, Petronius, and Juvenal, together with some of the fragments of Ennius, Lucilius, and Varro. The readings are supplemented by occasional lectures. Each student is required to prepare papers on assigned topics in each semester.

Lucretius and Catullus, Dr. Frank.

*Three hours a week.*

Selections from the *De Rerum Natura* and from the Lyrics of Catullus are read.

Latin Prose Composition, Dr. Frank.

*One hour a week.*

### 2nd Semester.

Roman Satire (continued), Dr. Wheeler.

*Two hours a week.*

Martial and Pliny, Dr. Frank.

*Three hours a week.*

An effort is made by means of lectures, discussions, and extensive reading to gain an intimate acquaintance with the literary work of these authors.

Latin Prose Composition (continued), Dr. Frank.

*One hour a week.*

### GRADUATE COURSES.

Six hours a week of seminary work are offered each year to graduate students of Latin accompanied by the direction of private reading and original research. The books needed by graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to six hours a week may be elected by graduates.

### Graduate Courses.

The graduate work in Latin is conducted according to the seminary method, and is intended not only to broaden the student's knowledge, but also to teach methods of work. The graduate courses in Latin are varied from year to year in three series, Roman Comedy, Lyric Poetry, and Elegy and Roman History, Epigraphy and Literature, or Syntax. Students electing Latin as a major subject for the degree of Doctor of Philosophy must offer not less than two seminars and the journal club for two years and if Latin be also elected as the associated minor the candidate must offer two seminars and the journal club for three years. A list of approved associated and independent minors is given in the Regulations of the Academic Council. It is desirable that all students who intend to do advanced work in Latin should have some knowledge of Greek. A reading knowledge of French and German is also necessary.

Latin Seminary, Dr. Wheeler.

*Three hours a week throughout the year.*

*(Given in each year.)*

In 1916-17 Roman Lyric in the Period of the Republic is the subject of the seminary. After a rapid survey of the fragmentary lyric remains of the predecessors and contem-

poraries of Catullus, the poems of Catullus himself are studied in detail. Students should have *Catulli carmina* (Oxford text, 1904), edited by Robinson Ellis, and either the same scholar's *Commentary on Catullus*, Oxford, Clarendon Press, 1889 (second edition), or G. Friedrich's *Catulli Veronensis liber*, Leipsic and Berlin, 1908 (Teubner).

In 1917-18 Roman Elegy as represented by Tibullus, Propertius, and Ovid will be the subject of the seminary. In addition to a careful study of selected poems an effort is made to trace the history of elegy among the Romans. The various topics connected with the subject are treated in detail as far as time permits, and the students are encouraged to familiarise themselves with the best literature in editions, periodicals, and dissertations. The texts recommended are the Oxford Clarendon Press editions of Catullus and Tibullus, edited by Ellis and Postgate, and the Leipsic (Teubner) text of Propertius, edited by C. Hosius, 1911. The best commentaries are Kirby Smith's *The Elegies of Tibullus*, New York, 1913 (American Book Co.), and M. Rothstein's *Die Elegien des Sextus Propertius*, Berlin, 1898 (Weidmann). For Catullus see Roman Lyric.

In 1918-19 Latin Comedy will be the subject of the seminary. All the plays of Plautus and Terence are read by the students; single plays form the basis of special work on the language, text, metres, etc. Students should provide themselves with the text edition of Plautus, edited by Goetz and Schoell, Leipsic, Teubner, 1892-1904, or that of W. M. Lindsay, Oxford, 1903-04, and with Dziatzko's text of Terence, Leipsic, Tauchnitz, 1884. The plays of Plautus, annotated by Brix, Leipsic, Teubner, 1901-12, and by Lorenz, Berlin, Weidmann, 1876-86, and the plays of Terence, annotated by Dziatzko (revised by Hauler), 1898 and 1913 (Teubner), and by Spengel, 1879 and 1905 (Weidmann), are also recommended. *P. Terenti Afri Commoedor*, edited by S. G. Ashmore, Oxford University Press, New York, 1908, is a convenient commentary.

Latin Seminary, Dr. Frank.

*Two hours a week throughout the year.*

*(Given in each year.)*

In 1916-17 the course is devoted to a study of Roman epic and is conducted by Dr. Ruth.

In 1917-18 Latin Epigraphy and Palæography will be the work of the seminary. About two-thirds of the course is devoted to the study of the *Corpus Inscriptionum*. The questions assigned for investigation deal mainly with Roman political institutions, public and private life, and with historical grammar. Dessau's *Inscriptiones Latinae Selectae* is used in the class room. The paleographical facsimiles of Chatelain, Zangemeister and Wattenbach, and Arndt form the basis for work in the latter part of the course.

In 1918-19 Cicero's Correspondence will be the subject of the seminary. An effort is made to master typical textual and linguistic problems presented by this text, and more especially to extend the student's acquaintance with the Roman civilisation of Cicero's day.

Latin Journal Club, Dr. Wheeler and Dr. Frank.

*One and a half hours once a fortnight throughout the year.*

The instructors and the advanced students meet to report on and discuss recent articles and books.

## MODERN LANGUAGES.

Professors and instructors: Dr. M. Carey Thomas, Dr. Fonger De Haan, Miss Lucy Martin Donnelly, Dr. Karl Detlev Jessen, Dr. Carleton Fairchild Brown,\* Dr. Agathe Lasch,† Dr. Regina Katharine Crandall, Dr. Eunice Morgan Schenck, Dr. Samuel Claggett Chew, Dr. Jean Baptiste Beck, Dr. Howard James Savage, Mr. Charles Dominique Vatar, Mr. Samuel Arthur

\* Granted leave of absence for the year 1916-17.

† Granted leave of absence for the duration of the war.



King, Dr. Howard Rollin Patch, Dr. Edward Henry Sehrt, Miss Esther Cloudman Dunn, Miss Ellen Thayer, Mrs. Edith Chapin Craven, Miss Ellen Elisabeth Hill, and Miss Ruth Perkins.

### English.

The instruction in this department is under the direction of Dr. M. Carey Thomas, Professor of English, Miss Lucy Martin Donnelly, Professor of English, Dr. Carleton Fairchild Brown, Professor of English Philology,\* Dr. Regina Katharine Crandall, Associate in English, Dr. Samuel Claggett Chew, Associate Professor of English Literature, Dr. Howard James Savage, Associate Professor of Rhetoric and Director of the Work in English Composition, Mr. Samuel Arthur King, Non-resident Lecturer in English Diction, Dr. Howard Rollin Patch, Lecturer in English Philology and Associate (elect) in English Philology, Miss Esther Cloudman Dunn, Mrs. Edith Chapin Craven, and Miss Ellen Elisabeth Hill, Instructors in English.

The instruction offered in English covers forty-four hours of lectures and recitations a week, and includes two years of lectures on literature and language required of every candidate for the Bachelor's degree; two years of Minor and Major English, which presuppose as much information as is contained in the required course, and may be elected in combination with the major course in any other language, or with philosophy, or with philosophy and psychology, or as a free elective; six hours a week of free elective work; one hour a week of elective courses in English diction, and graduate courses in English literature, Anglo-Saxon, and Early and Middle English.

The required course consists of lectures on literature and language, in which the history of English literature is regarded as far as possible from the point of view of European literature generally; a study of the principles of English composition with constant practice in writing; and courses of private reading, which are meant to familiarise the student with English authors. The instruction in English composition is given in three ways: in introductory lectures, in written corrections on papers written by the students, and in conferences between the instructors and

### *Required Course.*

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\* Granted leave of absence for the year 1916-17. The courses offered by Professor Brown are given in 1916-17 by Dr. Howard Rollin Patch.



students. The course in English composition and rhetoric, though not connected with the lectures on literature and language, may not be elected separately.

#### FIRST YEAR.

##### *1st Semester.*

(Given in each year.)

General English Composition, Part I, Dr. Savage, Dr. Crandall, Miss Dunn, Mrs. Craven, Miss Hill.

*Four hours a week.*

For the most part, the course is concerned with a rapid survey of the elements of usage and discourse, and with the study of exposition, argument, and allied topics and forms. Some attention will be paid to oral composition. The written work consists of papers both short and long and various exercises. Personal interviews between instructor and student form an important part of the work. Much stress is laid upon illustrative reading. The class meets once, and sometimes twice, a week; the divisions meet regularly twice each week.

The Principles of Articulation, Mr. King.

*One hour a fortnight.*

This course deals with a system of oral gymnastics, by which a distinct, firm, and fluent articulation can be acquired. The means of instruction for improving the quality of the speaking voice, and for acquiring a correct production, are pointed out. Special attention is paid to the cure of nasality and other vicious habits of speaking. The common errors of articulation and the vulgarisms constantly heard in every-day speech are clearly defined. A special class will be formed to assist those students whose defects of articulation are so marked as to make it difficult for them to work with the other members of the class.

##### *2nd Semester.*

Lectures on the history of English Literature, Miss Donnelly.

*Five hours a week.*

Beginning with a history of the English language and Anglo-Saxon literature, the lectures give a brief introduction to the study of early Teutonic literature and mythology. The history of English literature to the death of Spenser and of mediæval literature, occupies the second half of the course.

The Principles of Articulation (continued), Mr. King.

*One hour a fortnight.*

#### SECOND YEAR.

##### *1st Semester.*

(Given in each year.)

Lectures on the history of English literature from the death of Spenser to the present time, inclusive, with a short account of the influences of the contemporary continental literatures, Miss Donnelly.

*Five hours a week.*

The Sonant Properties of Speech, Mr. King.

*One hour a fortnight.*

This course consists of a detailed study of the principles of inflection, pitch, and rhythm, together with special treatment of emphasis and rules on pausing. Students are required from time to time to read aloud in order that individual faults may be corrected.

##### *2nd Semester.*

General English Composition, Part II, Dr. Savage, Dr. Crandall, Miss Dunn, Mrs. Craven, Miss Hill.

*Four hours a week.*

In this course the work of the first year is continued with reference to description, narration, and allied forms and topics. The arrangements as to papers, reading, interviews, class meetings, and similar matters are like those for the first year,

**Major Course.**

The major course in English differs slightly from the other major courses of the college, in that it must always have been preceded by two years' study of English in the required undergraduate courses, and is intended for graduate students or for those undergraduate students who are anxious to specialise in English. Any of the courses, except the courses in English Drama, in English Fiction in the nineteenth century, in English Literature from Dryden to Johnson, in Middle English Poetry and Chaucer, and in Shakespeare, may be taken separately as free electives by students that have completed the required course. Students wishing to specialise in language may substitute the course in Middle English Poetry and Chaucer or the course in Shakespeare for the course in English Fiction in the nineteenth century or in English Literature from Dryden to Johnson, but all students taking a major course in English must take either the course in Anglo-Saxon Prose and Beowulf or the course in Middle English Romances.

## FIRST YEAR.

*1st Semester.**Minor Course. (Literature.)*

English Critics of the Nineteenth Century, Dr. Chew. *Five hours a week.*

*(Given in each year.)*

Carlyle, Newman, Ruskin, Arnold, and Pater and, if time allows, a few other writers are studied with regard to their theories of criticism and to their influence upon the thought of the time. A report is required from each student attending this course.

*2nd Semester.*

English Poetry, 1850-1914, Dr. Chew. *Five hours a week.*

*(Given in 1916-17 and again in 1918-19.)*

A review of the progress of poetry during the first half of the nineteenth century is followed by a more detailed study of the poets of the later period.

English Romantic Poets, Miss Donnelly. *Five hours a week.*

*(Given in 1917-18 and again in 1919-20.)*

Wordsworth, Shelley Byron, Keats, and other writers of the years 1790-1830 are studied in their relation to the political, social, and literary movements of the time. Reports are required from all students attending the course.

*1st Semester.**Language.*

Middle English Romances, Dr. Brown.\* *Five hours a week.*

*(Given in 1916-17 and again in 1918-19.)*

Selected romances are read by the members of the class. The lectures deal with the development of Romance literature in English with special reference to the romances of Germanic origin and the Arthurian cycle.

Anglo-Saxon Prose and Beowulf, Dr. Patch. *Five hours a week.*

*(Given in 1917-18 and again in 1919-20.)*

The first half of the course is devoted to an outline of Anglo-Saxon grammar as presented in Siever's *Old English Grammar* (Cook's translation) and to the reading of the

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\* See footnote, page 67.

prose selections in Bright's *Anglo-Saxon Reader*. After reading one or two of the shorter Anglo-Saxon poems, the *Beowulf* is taken up (Wyatt and Chambers's text) and the first two-thirds of the poem is read with the class.

## SECOND YEAR.

*1st Semester.**Literature.*

English Drama, Dr. Chew.

*Five hours a week.*

*(Given in each year.)*

This course comprises a survey of the early drama, close study of the Elizabethan and Jacobean dramatists (excluding Shakespeare), and an introduction to the later periods of the drama. A report is required from each student attending this course.

*2nd Semester.*

English Fiction in the Nineteenth Century, Dr. Savage. *Five hours a week.*

*(Given in 1916-17 and again in 1918-19.)*

A study of the principal types of English prose fiction during the last century, the short story and the novel, with attention to their origins, development, and technique.

English Literature from Dryden to Johnson, Dr. Chew. *Five hours a week.*

*(Given in 1917-18 and again in 1919-20.)*

The chief writers studied in this course are Hobbes, Locke, Cudworth, Shaftesbury, Butler, Dryden, Pope, Prior, Gay; Steele, Addison, Defoe, and Swift. A report is required from each student attending the course.

*2nd Semester.**Language.*

Shakespeare, Dr. Brown.\*

*Five hours a week.*

*(Given in 1916-17 and again in 1918-19.)*

A careful study is made of a number of Shakespeare's plays, selected with a view to illustrating his earlier and later work and his method in comedy, tragedy, and chronicle history. The plays usually chosen are: *King Lear*, *Henry the Fourth, Part I*, *Hamlet*, *Romeo and Juliet*, and *All's Well that Ends Well*. Some of the more general problems connected with these plays are discussed in introductory lectures.

Middle English Poetry, Chaucer, Dr. Patch.

*Five hours a week.*

*(Given in 1917-18 and again in 1919-20.)*

The course begins with an outline of Middle English grammar sufficient to enable the students to read ordinary texts intelligently. The complete text of the *Owl and Nightingale*, *The Fox and Wolf*, and *Pearl* will be read, as well as selections from Langland's *Vision of Piers the Plowman* and other pieces. Lectures are given on the development of the language and literature during this period. In the course on Chaucer the best of the *Canterbury Tales* are studied, also the *Legend of Good Women*, *The House of Fame*, and portions of *Troilus and Criseyde*. The lectures discuss Chaucer's sources and literary art, and his relation to the English, French, and Italian literature of his time.

*Group:* English with any language, or English with Philosophy, or English with Philosophy and Psychology.

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\* See footnote, page 67.

## FREE ELECTIVE COURSES.

## The Technique of the Drama, Dr. Savage.

*Two hours a week throughout the year.**(Given in 1916-17 and again in 1918-19.)*

This course is open only to those students who can assure the instructor that they can pursue the work with profit. It deals with the making of scenarios, adaptation, and the writing of original longer and shorter plays; and with the observation of dramatic technique in plays read and seen.

## Materials and Methods of Teaching Composition, Dr. Savage.

*Two hours a week during the second semester.**(Given in 1917-18 and again in 1919-20.)*

This course is intended for graduate students and for undergraduates who expect to teach English; its aim is to present some of the problems of collegiate instruction in composition: the planning and supervision of courses, reports on departments in various colleges, and allied problems. Practice in writing is gained through reports of varying character and length.

## Intermediate Composition, Dr. Crandall.

*Two hours a week throughout the year.**(Given in 1916-17 and again in 1918-19.)*

In the main the course deals with problems connected with exposition, criticism, the essay, and kindred forms. Both longer papers and shorter papers, including some daily themes, will be written. The work is carried on through class meetings and personal interviews. The course is open to students who have completed the required course in English composition and obtained the grade of merit in two semesters of the course.

## The Short Story, Dr. Crandall.

*Two hours a week throughout the year.**(Given in 1917-18 and again in 1919-20.)*

The course deals with various forms of narrative, but the main emphasis is placed upon writing the short story. The work of representative authors, both English and French, is studied. The course is open to students who have completed the required course in English composition and obtained the grade of merit in two semesters of the course.

## Argumentation, Written and Oral, Dr. Crandall.

*One hour a week throughout the year.**(Given in 1916-17 and in each succeeding year.)*

The writing of arguments, the study of the form with reference to other types of writing, and other problems connected with argumentation, formal and informal, make up the work of the course. If possible, some attention will be paid to oral composition. The course is open to students who have completed the required course in English composition and obtained the grade of merit in two semesters of the course.

## General Reading of Prose Authors, Mr. King.

*One hour a week throughout the year.**(Given in 1916-17 and again in 1918-19.)*

This course is open only to those students who have attended the lectures in English diction given in the general course.

## Reading of Shakespeare, Mr. King.

*One hour a week throughout the year.**(Given in 1917-18 and again in 1919-20.)*

This course is open only to those students who have attended the lectures in English diction given in the general course. A special study is made of the principles of correct delivery of blank verse. The needs of those students who expect to teach English literature and desire to read Shakespeare to their pupils are given special attention.

**Free  
Elective  
Courses.**



## GRADUATE COURSES.

**Graduate Courses.**

There are offered each year distinct graduate seminars and courses in English literature and in English language, and these seminars and courses are varied so as to enable candidates for the degree of Doctor of Philosophy to pursue graduate work for three or more successive years. The graduate instruction in English literature includes the direction of private reading and the assignment of topics for investigation. The graduate courses in literature presuppose at least as much knowledge as is obtained in the two years' course of undergraduate lectures on English literature and in one of the literature years of the English major; and the graduate courses in Anglo-Saxon presuppose as much knowledge of Anglo-Saxon as is obtained in the language year in the English major. All students offering English as a subject for the degree of Doctor of Philosophy must have taken at least the equivalent of the composition in the required English course.

Students who elect English literature as their major subject in their examination for the degree of Doctor of Philosophy must offer English philology as an associated minor and those who offer English philology as a major subject must offer English literature as an associated minor. In the major together with the associated minor the student must offer two seminars and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

## Seminary in English Literature, Miss Donnelly.

*Two hours a week throughout the year.*

*(Given in alternate years.)*

In 1916-17 the Romantic Poets are the subject of the seminary. Special attention is paid to Shelley and Byron and to the phases of Romanticism shown in their work. Their relations to their contemporaries in England and on the Continent are discussed.

In 1918-19 Eighteenth Century Prose will be the subject of the seminary. Swift, Addison, and Steele will be studied. Attention will be given to their relations to both contemporary politics and literature.

## Seminary in English Literature, Dr. Chew.

*Three hours a week throughout the year.*

*(Given in each year.)*

In 1917-18 the subject of the seminary will be the plays of Webster, Beaumont and Fletcher, Massinger, and Ford.

In 1918-19 the earlier Romantic Period will be the subject of the seminary. Chief attention will be devoted to the poetry of Burns, Blake, Coleridge, and Wordsworth.

In 1919-20 the seminary will study various aspects of English Literature during the reign of Victoria.

## Seminary in Middle English, Dr. Patch.

*Three hours a week throughout the year.*

*(Given in each year.)*

In 1916-17 Middle English Romances are the subject of the seminary. All the romances represented in Middle English are read, and the relation of these English versions to their Latin and Old French originals are discussed. The romance cycles are taken up in the

following order: Troy story, Alexander saga, Charlemagne cycle, Arthurian cycle, romances of Germanic origin. Special investigations of problems relating to the romances are undertaken from time to time by the members of the seminary.

In 1917-18 the seminary will undertake the study of *The Vision of Piers the Plowman* and the works of Chaucer. Attention is devoted not so much to the critical reading of the texts themselves as to the examination of the questions of authorship and chronology which have recently been raised. These poems are also discussed in their relation to the other literature of the fourteenth century. Special subjects for individual investigation are assigned to the members of the seminary.

In 1918-19 the Beginnings of English Drama are the subject of the seminary. After tracing the emergence of plays in the vernacular from the liturgical drama, the evolution of the leading English mystery cycles will be studied. In considering the morality plays, their connection with mediæval allegories, debates, and didactic treatises will be specially examined. The lectures given by the instructor are designed to afford a general survey of the drama (both religious and secular) in England to the accession of Queen Elizabeth. Critical reports on assigned topics are required from the students.

### Beowulf, Dr. Brown.\*

*Two hours a week throughout the year.*

*(Given in 1916-17 and again in 1918-19.)*

This course gives in the first place a general survey of Beowulf criticism, including textual problems, theories as to the composition of the poem, and an inquiry into its historical and mythological elements. In this connection a study is also made of the other pieces of Anglo-Saxon heathen poetry. This course is open to graduate students who have already taken the course in Anglo-Saxon or its equivalent.

### English Historical Grammar, Dr. Brown.\*

*Two hours a week throughout the year.*

*(Given in 1916-17 and again in 1918-19.)*

In this course the development of the English language is traced from the earliest times. After an outline of the history and external relations of English, the change and decay of inflections, the use of prepositions and the more important points in historical syntax are discussed. The course presupposes a knowledge of Anglo-Saxon and Middle English.

### Cynewulf and Cædmon, Dr. Patch.

*Two hours a week throughout the year.*

*(Given in 1917-18 and again in 1919-20.)*

Several of the poems traditionally ascribed to those authors are critically studied. Lectures are given furnishing an introduction to Anglo-Saxon Christian poetry and the literary problems connected with it. This course is open to graduate students who have already taken the course in Anglo-Saxon, or its equivalent.

### Technical and Advanced Criticism, Dr. Savage.

*Two hours a week during the first semester.*

*(Given in 1917-18.)*

In this course attention will be given to bibliography, the tabulating of critical data, the planning and writing of papers, reports, and dissertations, critical usage, and other matters. Materials collected for other courses in research are available for use in this work.

### English Journal Club, Miss Donnelly, Dr. Chew, Dr. Savage, and Dr. Patch.

*One and a half hours a month throughout the year.*

*(Given in each year.)*

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

\* See footnote, page 67.

### German.

The instruction in this department is under the direction of Dr. Karl Detlev Jessen, Professor of German Literature, Dr. Agathe Lasch,\* Associate Professor of Teutonic Philology, Dr. Edward Henry Sehrt, Lecturer in Teutonic Philology, and Miss Ruth Perkins, Reader in Elementary German.

The instruction offered in German covers twenty-nine hours of lectures and recitations a week; it includes five hours a week of matriculation German; ten hours a week of undergraduate major and minor work; one hour a week of free elective; three hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in German, and ten hours a week of graduate work in modern German literature and in Teutonic philology.

#### **Matriculation Course.**

A class for beginners in German, conducted by Miss Perkins, five hours a week throughout the year, is provided, in order that those students whose matriculation examination did not include German may obtain the reading knowledge of it that they must possess before receiving a degree. By great diligence such students may acquire sufficient knowledge to be admitted should they desire it, into the first year of the major course in German.

#### **Major Course.**

The major course in German presupposes as much knowledge as is required to pass the matriculation examination in this subject.

#### FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

Lectures on the History of German Literature from the period of Romanticism to the present time, Dr. Jessen. *Two hours a week throughout the year.*

These lectures are delivered in German and discuss the masterpieces of German literature in the nineteenth century. As much collateral reading as possible, done either in or out of class, will illustrate the lectures. Weicher's *Deutsche Literaturgeschichte* is recommended for reference.

This course is open as a free elective to all students that have passed the matriculation examination in German.

Private reading: Grillparzer, *Sappho*, and Freytag, *Die Journalisten*, must be read by students taking the course in the first semester; Hebbel, *Agnes Bernauer*, and Sudermann, *Die Heimat*, must be read by students taking the course in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

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\* Granted leave of absence for the duration of the war. The seminary and courses announced by Dr. Lasch are conducted by Dr. Sehrt during her absence.



## Critical Reading of Modern German Authors, Dr. Sehrt.

*Two hours a week throughout the year.*

## German Grammar and Prose Composition, Dr. Sehrt.

*One hour a week throughout the year.*

The course in critical reading consists of translations of modern German prose and verse. Selections from Goethe's *Dichtung und Wahrheit* are studied and a number of Goethe's earlier writings are read by the students and discussed in class. They are selected so as to illustrate the events narrated in *Dichtung und Wahrheit*. For translation of English into German, Whitney and Stroebe's *Advanced German Composition* (Holt & Co.) and Ruskin's *Præterita* are used. German grammar is carefully reviewed in Thomas's *Practical German Grammar* (Holt & Co.).

The course in Critical Reading and the course in Grammar and Prose Composition may not be elected separately, and the examination in these subjects may not be divided. The courses are open as a free elective to all students that have passed the matriculation examination in German.

Private reading: Schiller, *Die Piccolomini*, *Wallenstein's Tod* (Henry Holt & Co., New York), must be read by students taking the courses in the first semester; Schiller, *Braut v. Messina*, must be read by students taking the courses in the second semester. Examinations on the private reading must be taken at the scheduled time during the semester for which the reading is assigned by all students pursuing the German courses.

The advanced standing examinations, or examinations taken without attending the college classes, in the reading and grammar of the minor, three hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under German governesses the necessary advanced knowledge, and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination on the private reading that accompanies these courses must be taken not later than the third semester after that in which the advanced standing examination is offered.

## SECOND YEAR.

*(Given in each year.)*

## Lectures on the History of German Literature from Luther to the Romantic School, Dr. Jessen.

*Two hours a week throughout the year.*

These lectures are delivered in German and discuss the great classical authors, as well as the most modern poets and novelists.

Private reading: Goethe, *Italienische Reise*, and Lessing, *Nathan der Weise*, must be read by students taking the course in the first semester; Frenssen's *Jörn Uhl* and Nietzsche's *Essays*, must be read by students taking the courses in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

*Faust-Legend* and similar legends in mediæval and modern literature; Goethe, *Faust* (1st and 2nd parts), Dr. Jessen.*Two hours a week throughout the year.*

The course aims to be a comparative study of an interesting group of literary products of both mediæval and modern literature. Starting with the comparative history of such Faustlike legends in mediæval literature as those of Theophilus and Cyprian, up to Calderon's *Il magico prodigioso*, the Faust-Legend in its many pre-eminently English and German ramifications, will be taken up, including especially Marlowe's *Doctor Faustus*. Goethe's *Faust* will be the centre of comparative study, showing what in it is due to Rousseauism, to Romanticism, and to other currents of thought. Faustlike literature, especially



German and English, of a later date, as far as it is of literary importance will bring the consideration as far up to date as possible. The course will consist of lectures, reports and readings.

Private reading will be announced later.

### German Prose Composition and Reading, Dr. Sehrt.

*One hour a week throughout the year.*

In this course the students translate selected passages of difficult English prose into German. The texts are taken from Henry Craik's *English Prose*, vol. 5 (The Macmillan Co.). Treitschke, *Kleine Schriften* will be translated into English.

The course in German literature and the course in Prose Composition and Reading may not be elected separately, and the examination in these subjects may not be divided.

Private reading: Kleist's *Michael Kohlhaas* must be read by students taking this course in the first semester; Hauptmann's *Hannele's Himmelfahrt* must be read by students taking this course in the second semester. Examinations on the private reading must be taken at the scheduled times during the semester for which the reading is assigned by all students pursuing the German courses.

An advanced standing examination, or an examination taken without attending the college class, in the prose composition of the major, one hour a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under German governesses the necessary advanced knowledge, and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination on the private reading that accompanies this course must be taken not later than the third semester after that in which the advanced standing examination is offered.

### Group: German with any language.

#### FREE ELECTIVE COURSE.

### Advanced German Composition, Dr. Sehrt.

*One hour a week throughout the year.*

*(Given in each year.)*

Difficult English prose selections are translated into German. The intention of the course is to increase the understanding and feeling for written and spoken German. Attention is paid to the needs of students intending to teach German.

#### POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Lectures on the History of German Literature from the Romantic School to 1850, Dr. Jessen.

*Two hours a week during the first semester.*

*(Given in 1916-17 and again in 1918-19.)*

This course begins with a general study of the principles of philosophy, life, art, and poetry, as represented by the Romantic School, which is followed by lectures on the literary movements, expressed mainly in lyric poetry and in the novel, which supersede the Romantic *Weltanschauung*. The lyrics of the war of liberation, the *Weltschmerz*, and the political

**Free  
Elective  
Course.**

**Post-  
Major  
Courses.**

revolution; the novel of *Jungdeutschland*; the drama of Heinrich von Kleist; the works of the Schlegels, Tieck, Hölderlin, Jean Paul, Novalis, Uhland, Lenau, Heine, Immermann, Freiligrath, Herwegh, Gutzkow, Mörike, and Gotthelf are the principal topics discussed.

### German Drama in the Nineteenth Century, Dr. Jessen.

*Two hours a week during the second semester.*

*(Given in 1916-17 and again in 1918-19.)*

The drama of Heinrich von Kleist is studied with special reference to that of the classical period, and to the dramatic efforts of the Romanticists. The place of Grillparzer in German literature is defined, as well as the significance of Grabbe and Raimund. This leads to Otto Ludwig and to Friedrich Hebbel, who is the central figure, chronologically as well as in importance, of the German drama during the nineteenth century. The course ends with a review of Anzengruber, Wildenbruch, Sudermann, Hauptmann, and of other modern writers.

### German Literature from 1850 to the Present Time, Dr. Jessen.

*Two hours a week during the first semester.*

*(Given in 1917-18 and again in 1919-20.)*

The subject of this course is, in the first semester, the *Epigonen-Literatur*. The development of the modern German *Novelle* is discussed and Keller's, Storm's, and C. F. Meyer's works are specially studied. A full account of the poets of the *Münchener Schule* is given, as well as of Richard Wagner, Reuter, Groth, Freytag, Spielhagen, Scheffel, Rabe, Geibel, Heyse, and Schack.

### German Literature from 1850 to the Present Time (continued), Dr. Jessen.

*Two hours a week during the second semester.*

*(Given in 1917-18 and again in 1919-20.)*

In the second semester among the subjects discussed are the influence of French, Russian, and Scandinavian literatures, especially of the work of Zola and Ibsen on German literature; modern German realism and naturalism, as represented by Fontane, Anzengruber, Wildenbruch, Hauptmann, Sudermann, Liliencron, and Rosegger; the increased importance of women in literature, and the work of Marie von Ebner-Eschenbach, Luise von François, Ricarda Huch, Helene Böhlau, Isolde Kurz, Clara Viebig, and others; the significance of Nietzsche for German life and literature; Neo-romanticism and *Heimatsdichtung*.

### Advanced Critical Reading, Dr. Jessen. *One hour a week throughout the year.*

*(Given in each year.)*

The reading is selected from works discussed in the post-major lectures on literature. The students give reports on dramas or novels, the object of the discussion being to trace the characteristics of the author, as shown in his works. Special attention will be paid to the needs of students who intend to teach German.

### Elementary Middle High German, Dr. Sehr.

*One hour a week throughout the year.*

*(Given in each year when the time of the department permits.)*

This course has been arranged primarily for undergraduate students who wish to be able to read the Middle High German classics in the original. A general acquaintance with the history of early German literature, such as may be obtained from the lectures on the history of German literature in the minor course, is presupposed. Paul's *Mittelhochdeutsche Grammatik* (8th ed., Halle, 1911) and Hartman von Aue's *Der arme Heinrich* are used.

## GRADUATE COURSES.

**Graduate Courses.**

Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of German and Teutonic Philology accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the post-major courses of the department, amounting to four hours a week, may be elected by graduate students.

The graduate courses offered in German Philology may be found under the head of General Teutonic Philology.

Graduate work in the history of modern German literature is conducted according to the seminary method. The courses are so varied that they may be followed by graduate students throughout three successive years and cover the work required of students who offer German literature as a major or a minor for the degree of Doctor of Philosophy. Students who elect German literature as their major subject in the examination for the degree of Doctor of Philosophy must offer Teutonic Philology as an associated minor and students who offer Teutonic Philology as a major subject must offer German literature as an associated minor. In the major together with the associated minor the student must offer two seminars and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

## Seminary in German Literature, Dr. Jessen.

*Two hours a week throughout the year.*

*(Given in each year.)*

It is hoped that the students will become familiar in the seminary with the methods of scientific literary criticism and investigation.

In 1916-17 the Romanticism of early modern German literature is studied in the seminary.

In 1917-18 Goethe will be the subject of study in the seminary.

## German Metrics, Dr. Jessen.

*One hour a week during the first semester.*

*(Given in 1916-17 and again in 1918-19.)*

This course consists of lectures on *Deutsche Metrik* or *Verslehre*, with an introduction to phonetics, this being an indispensable *Hilfswissenschaft* for the study of German literature.

## German Poetics, Dr. Jessen.

*One hour a week during the second semester.*

*(Given in 1916-17 and again in 1918-19.)*

Lectures are given on *Deutsche Poetik* and *Stilistik*.

## German Literary Criticism, Dr. Jessen.

*One hour a week during the first semester.*

*(Given in 1917-18 and again in 1919-20.)*

The lectures trace the development of literary and æsthetic criticism in Germany from Leibniz to Schiller and Goethe. The course is comparative in character, and French and

English literary criticism are also considered. Lessing's *Laokoön* and *Hamburgische Dramaturgie* and Schiller's essays on æsthetics are studied. A good reading knowledge of French and German is required.

The German Essay, Dr. Jessen. *One hour a week during the second semester.*

*(Given in 1917-18 and again in 1919-20.)*

The history of the essay in German literature is studied and the most eminent German essayists, Schopenhauer, Herman Grimm, Karl Hillebrand, Friedrich Nietzsche, etc., are discussed. The influence of French, English, and American writers, in particular Montaigne, Macaulay, and Emerson, is traced, and incidentally the evolution of modern German prose style is treated.

Goethe's *Faust*, Dr. Jessen. *Two hours a week throughout the year.*

*(Given in each year when the time of the department permits.)*

This course is intended as an introduction to the problems of *Faust-philologie*, dealing with both the first and second part of *Faust*.

Goethe's Life and Works, Dr. Jessen. *Two hours a week throughout the year.*

*(Given in each year when the time of the department permits.)*

This course aims at giving an introduction into *Goethe-philologie*.

German Journal Club, Dr. Jessen and Dr. Sehr. *t.*

*Two hours once a fortnight throughout the year.*

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment and criticism.

## GENERAL TEUTONIC PHILOLOGY.

The instruction in this department is under the direction of Dr. Agathe Lasch,\* Associate Professor of Teutonic Philology, and Dr. Edward Henry Sehr, Lecturer in Teutonic Philology. Special attention is called to the facilities for the study of comparative Teutonic philology offered by Bryn Mawr College. The English and the German departments together have provided for a complete course in Teutonic philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-Saxon, Old Saxon, Old High German, Middle High German, Middle Low German, etc.) and the study of general comparative philology.

The courses in introduction to the study of Teutonic philology, Gothic and Middle High German grammar are designed for students in their first year of graduate study in Teutonic languages and the remaining courses for students in their second or third year. The courses given in each year will be planned to meet the needs of the graduate students.

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\* See footnote, page 74.



Students intending to elect Teutonic philology are advised to study Greek for at least one year during their undergraduate course.

#### GRADUATE COURSES.

##### Teutonic Seminary, Dr. Schrt.\*

*Two hours a week throughout the year.*

*(Given in each year.)*

This seminary is arranged for the benefit of the most advanced students in Teutonic philology. Its object is to encourage independent work on the part of the students. The work consists mainly of the discussion of special topics by the instructor and the students. Members of the seminary are expected to study the literature on these subjects, and to make an effort to contribute some additional material, or an independent opinion of their own.

In 1916-17 the subject of the seminary is taken from Middle High German texts. Problems in text criticism as well as literary problems connected with the works of Middle High German poets either of the classical period or of the periods preceding or following it are discussed.

In 1917-18 the seminary will be devoted to High German texts from the fourteenth to the seventeenth century. The material will be taken either from official documents of this period belonging to various parts of Germany or from the works of writers such as Murner, Hans Sachs, Luther, and others; or from grammatical works of this period as Müller's *Quellenschriften und Geschichte des deutschsprachlichen Unterrichts*, John Meier's *Neudrucke älterer deutscher Grammatiken*, etc. They are selected to illustrate the development of Modern High German. If it seems advisable Old Saxon texts (*Heliand* and *Genesis*) will also be studied.

In 1918-19 Old High German texts such as *Merseburger Zaubersprüche*, *Muspilli*, and *Hildebrandslied* will be studied in the first semester. The many problems that these texts offer and the various attempts to solve them will be discussed. In the second semester modern High German texts will be the subject of the seminary.

The order of these seminary subjects may be changed in accordance with the requirements of the students in any particular year.

##### Introduction to the Study of Teutonic Philology, Dr. Schrt.\*

*One hour a week throughout the year.*

*(Given in each year.)*

After a discussion of the aim and method of historical and comparative grammar, these lectures deal with the relation of Teutonic to the cognate Aryan languages. A brief sketch of the single Aryan languages is given, followed by a more comprehensive discussion of the Teutonic languages and chiefly of the West Germanic branch.

##### Gothic, Dr. Schrt.\*

*Two hours a week throughout the year.*

*(Given in each year.)*

Gothic phonetics and inflection are studied in connection with the elements of comparative Aryan grammar; on the other hand the Gothic forms are compared with those of other Teutonic languages. Braune's *Gotische Grammatik* (8th ed., Halle, 1912); or Streitberg's *Gotisches Elementarbuch* (3rd ed., Heidelberg, 1910) are used as text-books.

As a thorough knowledge of Gothic is the foundation of the study of historical and comparative Teutonic grammar, every graduate student of Teutonic grammar is advised to take this course as early as possible. *Die gotische Bibel* (ed. by W. Streitberg, Heidelberg, 1908) is used by the more advanced students.

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\* See footnote, page 74.

Middle High German Grammar and reading of Middle High German  
 Texts, Dr. Sehrt.\*

*Two hours a week throughout the year.*

*(Given in each year.)*

This course includes a brief abstract of Middle High German grammar and literature with special reference to the difference between Middle High German and Modern German, and a study of the most prominent authors in Middle High German. Selections from classical Middle High German poets are read, and also selections from the *Nibelungenlied*, a brief account being given of the history and development of the *Nibelungenlied* and its manuscripts.

Students of Middle High German should be provided with Paul's *Mittelhochd. Grammatik* (8th ed., Halle, 1911), or Michels's *Mittelhochd. Elementarbuch* (2nd ed., Heidelberg, 1912).

This course is required of all students that make Teutonic philology a minor subject in their examination for the degree of Doctor of Philosophy.

The private reading includes the works of the authors treated in the course.

Middle Low German, Dr. Sehrt.\*

*One hour a week throughout the year.*

*(Given in each year.)*

A sufficient knowledge of Old Saxon is presupposed on the part of students taking this course. The Middle Low German grammar will be studied and representative Middle Low German texts are read. This course may be substituted for the course in Middle High German in accordance with the requirements of the students in any particular year.

Old Norse, Dr. Sehrt.\*

*Two hours a week throughout the year.*

*(Given in each year.)*

Students entering this course are supposed to be acquainted with Gothic and with Anglo-Saxon or Old High German grammar. In the grammatical part of the course the Norse sounds and forms are studied and compared with those of the Gothic and West-Germanic dialects.

In the first year's course prose texts will be read; in the second year the Edda will be studied and some of the problems connected with the study of the Edda will be discussed.

The books used are Heusler's *Altisländisches Elementarbuch* (Heidelberg, 1913) and some of the *Islendinga sögur* (*Altnordische Saga-Bibliothek*) and Hildebrand-Gering's (3d ed., Paderborn, 1913) or Neckel's (Heidelberg, 1914) *Edda*.

Attention is called to the facilities afforded for the study of Old Norse. A considerable portion of the library of the late philologist, Th. Wisén, of Lund, was acquired by Bryn Mawr College, and hence the library is probably as well supplied as any other college library in the United States with Old Norse texts, and works on Old Norse language and literature.

Old Saxon, Dr. Sehrt.\*

*Two hours a week during the second semester.*

*(Given in 1916-17 and again in 1918-19.)*

The work presupposes on the part of the students a sufficient knowledge of Gothic and Old High German. Holthausen's *Altsächsisches Elementarbuch* (Heidelberg, 1900) or Gallée's *Altsächsische Grammatik* (2nd ed., Halle, 1910), *Heliand* (Behaghel's edition), and Zangemeister-Braune's *Bruchstücke der altsächsischen Bibeldichtung* (Heidelberg, 1894) are used.

History of Modern High German, Dr. Sehrt.\*

*One hour a week throughout the year.*

*(Given in 1916-17 and again in 1918-19.)*

These lectures deal with the history of the development of the German written language during the Modern High German period. The most important *Kanzleisprachen*, the most prominent *Druckersprachen*, Luther, Modern German sounds and forms in their relation to the German dialects and to the rules of the *Bühnenaussprache*, will be discussed.

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\* See footnote, page 74.

## Old High German, Dr. Sehrt.\*

*Two hours a week throughout the year.**(Given in 1917-18 and again in 1919-20.)*

This course includes a practical study of Old High German grammar, and a comparison of the Old High German sounds and forms with those of Gothic, and Middle and Modern High German. The relations with other cognate languages of the Teutonic branch as well as other Aryan languages (chiefly Latin) are also discussed. Selections are read from Old High German texts, arranged so as to proceed from easy to more difficult pieces, and to illustrate the difference between the Old High German dialects.

## Comparative Teutonic Grammar, Dr. Sehrt.\*

*One hour a week throughout the year.**(Given in 1917-18 and again in 1919-20.)*

The study of comparative Teutonic philology is recommended to those students only who are acquainted with the single old Teutonic languages, and have studied Gothic, Old High German, Old Saxon, Anglo-Saxon, and Norse. The object of the course is to compare the various old Teutonic languages with each other and with the related Aryan languages,—or in other words (1) to reconstruct the primitive Teutonic language; (2) to point out the characteristic features of primitive Teutonic in distinction from primitive Aryan; (3) to carry down the history of early Teutonic from the period of unity into the early stages of the individual Teutonic languages.

In addition to the above courses, others in Old Frisian, or Modern Low German may be arranged for students that have previously studied Gothic, Old and Middle High German, Anglo-Saxon, and Old Saxon. Dr. Sehrt offers a course in Sanskrit which is specially recommended for students of Teutonic philology.

## ROMANCE LANGUAGES.

**French.**

The instruction in this department is under the direction of Dr. Eunice Morgan Schenck, Dean of the College and Associate Professor of Modern French Literature; Dr. Jean Baptiste Beck, Associate Professor of Mediæval French Literature; Mr. Charles Dominique Vatar, Associate in Modern French Literature and Italian; Miss Ellen Thayer, Reader in Elementary French, and Miss Jeanne Chéron, Reader (elect) in Elementary French.

The instruction offered in French covers thirty-one hours of lectures and recitations a week; it includes five hours a week of matriculation French; ten hours a week of undergraduate major and minor work; five hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in French; and eleven hours a week of

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\* See footnote, page 74.



graduate work in modern French literature and in Old French literature and language. All the courses in French except the matriculation course and the seminary in philology are conducted in the French language.

A class for beginners in French five hours a week throughout the year is provided, in order that those students whose matriculation examination did not include French may with less difficulty obtain the reading knowledge of it that they must possess before receiving a degree. By great diligence such students may acquire sufficient knowledge to be admitted, should they desire it, into the first year of the major course in French. This course is given by Miss Thayer in 1916-17 and will be given by Miss Chéron in 1917-18.

**Matriculation Course.**

Entrance to the major course in French presupposes as much knowledge as is required to pass the matriculation examination in this subject.

**Major Course.**

#### FIRST YEAR.

(*Minor Course.*)

##### 1st Semester.

(*Given in each year.*)

Lectures on the history of French Literature of the nineteenth century, accompanied by collateral readings from representative French authors, Dr. Schenck.

*Three hours a week.*

These lectures are delivered in French; and students are expected to take notes and answer questions in French. The aim of the course is to train the students to follow lectures in French as well as to give them a general survey of Modern French literature. This course was given in 1916-17 by Dr. Beck two hours a week throughout the year.

Private reading: Hugo, *La Légende des Siècles* must be read by students taking the course in the first semester. Examinations on the private reading must be taken at the scheduled time during the semester for which the reading is assigned by all students pursuing the French courses.

Critical Readings in French prose and poetry of the nineteenth century. Practical Exercises in French Syntax and Composition, Dr. Schenck.

*Two hours a week.*

In the first semester selections from Taine's *Origines de la France Contemporaine* are read; in the second semester selections from the poetry of Victor Hugo are read and a special study is made of the Napoleonic cycle of poems. Some of Napoleon's speeches and proclamations are also read. This course was given by Miss Thayer in 1916-17 three hours a week throughout the year.

In the course in syntax and composition Goodrich, *French Composition*, is used.

Private reading: Vigny, *Servitude et Grandeur Militaire*, must be read by students taking the course in the first semester. Examinations on the private reading must be taken at the scheduled time during the semester for which the reading is assigned by all students pursuing the French courses.

##### 2nd Semester.

Lectures on the history of French Literature of the nineteenth century, accompanied by collateral readings from representative French authors (continued), Mr. Vatar.

*Three hours a week.*



Private reading: Bourget, *Portraits Contemporains* must be read by students taking the course in the second semester. Examinations on the private reading must be taken at the scheduled time during the semester for which the reading is assigned by all students pursuing the French courses.

Critical Readings in French prose and poetry of the nineteenth century. Practical Exercises in French Syntax and Composition, Dr. Beck.

*Two hours a week.*

Private reading: Rostand, *L'Aiglon* and Maeterlinck, *L'Oiseau Bleu* must be read by students taking the course in the second semester. Examinations on the private reading must be taken at the scheduled time during the semester for which the reading is assigned by all students pursuing the French courses.

The advanced standing examinations, or examinations taken without attendance on the college classes, in the reading and composition of the minor, two hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under French governesses the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination in translation will consist of sight translation from French (usually poetry) into English. V. Hugo's *Les Châtiments* (Hachette, Paris), *La Légende des Siècles*, *id.* (the first two volumes), or Schinz's *Selections from Victor Hugo* (Heath, Boston) will give an idea of the kind of translation required. The examination in composition will as a rule consist in translating a short passage of every-day idiomatic English. The private reading examinations must be taken not later than the third semester after that in which the advanced standing examination is offered.

#### SECOND YEAR.

##### 1st Semester.

*(Given in each year.)*

Lectures on the history of French Literature in the seventeenth century accompanied by collateral reading, Mr. Vatar.

*Three hours a week.*

Private reading: First semester, E. Faguet, *Dix-Septième Siècle, Etudes et Portraits Littéraires* (Société Française d'Imprimerie et de Librairie, Paris).

Critical Readings in the Literature of the seventeenth century. Studies in French Style and Composition, Dr. Beck.

*Two hours a week.*

Private reading: Pascal, *Pensées* and Buffon, *Pages Choies* (P. Bonnefon, Librairie Armand Colin, Paris) must be read by students taking the courses in the first semester. Examinations on the private reading must be taken at the scheduled time during the semester for which the reading is assigned by all students pursuing the French courses.

##### 2nd Semester.

Lectures on the history of French Literature in the eighteenth century accompanied by collateral reading, Dr. Schenck.

*Three hours a week.*

Private reading: *Choix de Lettres du XVIII<sup>e</sup> Siècle* (Lanson) must be read by students taking the course in the second semester. Examinations on the private reading must be taken at the scheduled time during the semester for which the reading is assigned by all students pursuing the French courses.

Critical Readings in the Literature of the eighteenth century. Studies in French Style and Composition, Dr. Schenck.

*Two hours a week.*

Private reading: Montesquieu, *Lettres Persanes*, must be read by students taking the course in the second semester. Examinations on the private reading must be taken at the scheduled time during the semester for which the reading is assigned by all students pursuing the French courses.

The advanced standing examinations or examinations taken without attendance on the college classes in the reading and composition of the major, two hours a week for two semesters may be taken by those students only who are able to submit satisfactory evidence, that they have obtained before entering the college by regular and systematic study, or by residence abroad or work under French governesses, the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination in translation will consist of sight translation from French (usually poetry) into English. V. Hugo's *Les Châtiments* (Hachette, Paris), *La Légende des Siècles*, *id.* (the first two volumes), or Warren's *Selections from Victor Hugo* (Holt, New York) will give an idea of the kind of translation required. More difficult passages will be selected than for the minor advanced standing examination. The composition consists of one or two pieces of connected English, taken from such books as Stevenson's *Treasure Island*, Jerome K. Jerome's *Idle Thoughts of an Idle Fellow*. No specific question in French grammar is asked; students are expected to show their knowledge of grammar in the composition. Cameron's *The Elements of French Composition* (Holt, New York), and Storm's *French Dialogues* (Macmillan, London) will be found useful in composition work. The private reading examinations must be taken not later than the third semester after that in which the advanced standing examination is offered.

*Group: French with Italian and Spanish, or with any language, or with Modern History, or with History of Art.*

#### POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

**Post-  
Major  
Courses.**

Rabelais and the Satire in French Literature, Dr. Beck.

*Three hours a week throughout the year.*

*(Given in 1916-17.)*

This course gives first a general survey of satiric literature in France from the earliest time to the Renaissance. The "*servantes*" is the representative of personal, political and religious satire. The *fabliaux* and *contes* represent the popular social satire. Caricature and satire in Mediæval Art. The predecessors of Rabelais: Rustebuef, Coquillart and Villon. Rabelais as a man, as a humanist and as a satirical philosopher; his literary technique; his influence upon French and English writers.

French Lyric Poetry of the nineteenth century, Mr. Vatar.

*Three hours a week throughout the year.*

*(Given in 1916-17 and again in 1918-19.)*

In the first semester the lectures treat lyric poetry until the year 1866. Special attention is paid to the period from 1850 to 1866. Lamartine, Hugo, Sainte-Beuve, Vigny, and Musset are studied only so far as is necessary for the understanding of the evolution of lyric poetry in their successors, Baudelaire, Gautier, Banville, Leconte de Lisle, Sully Prudhomme, Coppée, Mendès, etc. The lectures of the second semester treat lyric poetry from 1866 to the present day. A careful study is made of the Symbolic school. Throughout the course the lectures are supplemented by the critical reading of texts. This course is given as a two hour course in 1916-17.

The Short Story (*Nouvelle*) in the nineteenth century, Dr. Schenck.

*Two hours a week throughout the year.*

*(Given in 1917-18 and again in 1919-20.)*

In the first semester the *nouvelles* of the romantic period are studied in the works of Chateaubriand, Nodier, Vigny, Musset, Balzac, Mérimée, and Gautier. The lectures of the second semester treat the development and modification of realism by Flaubert, Zola, Daudet, Coppée, Loti, Bourget, France, and others, while a careful study of the technique of the *nouvelle* is made in connection with Maupassant.

### Molière and the French Comedy, Mr. Vatar.

*Three hours a week throughout the year.*

*(Given in 1917-18 and again in 1919-20.)*

After a study of the comic elements in Mediaeval epic and dramatic literature, the nature of Molière's "comique" is analyzed and compared with that of his predecessors. Molière's influence upon French and foreign comedy as a psychologist and as a playwright is discussed.

### Modern Tendencies in French Literature, Dr. Schenck.

*Two hours a week throughout the year.*

*(Given in 1918-19 and again in 1920-21.)*

The lectures deal with contemporary French drama, poetry, and fiction. Post-romanticism, realism, and mysticism, and the Catholic revival are considered. The course closes with a study of the *Vers Libre* movement.

### GRADUATE COURSES.

#### **Graduate Courses.**

Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of French, accompanied by the direction of private reading and original research. The courses, covering the field of Old and Modern French Language and Literature are arranged to form a triennial cycle. The work of each year centers about one main topic to be studied as a part of the history of French literature in its various relations to the general literature and civilisation of the period concerned. Students may enter the seminary in any year and pursue it during three or more consecutive years. The members of the seminaries report on theses assigned them at the beginning of each semester.

Students who choose French literature as their major subject in their examination for the degree of Doctor of Philosophy must offer French philology as the associated minor and students who offer French philology as a major subject must offer French literature as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council. In the major together with the associated minor the student must offer two seminaries and a journal club for three years.

#### *Literature.*

### Seminary in French Literature, Dr. Schenck.

*Two hours a week throughout the year.*

*(Given in each year.)*

In 1917-18 the subject of the seminary will be Phases of Romanticism in the Nineteenth Century as illustrated by Hugo, Gautier, and Flaubert. A special study is made of the origin and development of the theory of *L'art pour l'art*.

In 1918-19 the subject of the seminary will be Molière. The subjects studied are French Comedy before Molière; Molière's comedies, their Latin, Italian, Spanish, and French sources; his style and method of composition; the nature of his "comique," his philosophy and his morality.



In 1919-20 the subject of the seminary will be Montaigne. Various problems connected with his life, his relations to protestantism and to the political problems of his time, the question of the authorship of the *Discours sur la servitude volontaire*, the origin and sources of the essays, Montaigne and the Renaissance, and Montaigne and Plutarch are discussed. A special study is made of Montaigne's style and of the *Apologie de Raymond de Sebonde*.

The order of these seminary subjects may be changed in accordance with the requirements of the students in any particular year.

### Seminary in Mediæval French Literature, Dr. Beck.

*Two hours a week throughout the year.*

*(Given in each year.)*

The work expected of graduate students in the seminary in Mediæval French Literature consists of a palæographical analysis of the original manuscripts, a cursory interpretation of the texts, a review of the opinions expressed by the respective specialists on each subject and a critical discussion of the comparative value of the work in question. These reports are intended to train graduate students in literary research. The courses in other Romance Languages (Italian and Spanish) and also those in Middle English are recommended to students in Mediæval French literature. During her first year of work in this seminary each student is required to take also the Seminary in Romance Philology, unless she has already taken a corresponding course.

In 1916-17 the Evolution of Epic and Dramatic Literature from the twelfth to the sixteenth century is studied in the seminary: the development of actual stage drama from the primæval liturgical ceremonies, these and the epic parts of Scripture in relation to the Mystères; the dramatic elements contained in mediæval lyrics, such as the Aubes, Pastoureaux, Jeux-Partis and in the dialogue forms of certain types, such as the Chansons à danse; the primitive Opera comique, a combination of lyrics and epics: Aucassin et Nicolette, Robin et Marion, le Jeu de St. Nicolas, etc. The work of the second semester is devoted entirely to a systematic study of the origin and development of Old French epics in the light of Bédier's work.

In 1917-18 the subject of the seminary in Mediæval French Literature will be the Origin of French Literature from the earliest documents to the twelfth century. The literary products of this period are read and interpreted from photographic reproductions of the original manuscripts. The main emphasis is laid upon the development of mediæval literature from the previous Middle Latin literature, to show the interrelations between literature written in the various languages and dialects, both Romanic and Germanic, and the religious literature, and to illustrate the international character of literature during that period. The origin of mediæval lyric poetry is derived from the Tropes and Sequences of St. Martial de Limoges and of St. Gall, the Epic Poetry from the Lives of the Saints and the dramatic literature from the Liturgy of the Church. The absolute unity of mediæval art in the conception of the authors and artists of the Romanesque and Gothic periods will be illustrated by the mutual connections between the various literary genres and the different branches of fine arts, such as architecture, sculpture, painting and music.

In 1918-19 Lyric Poetry during the Middle Ages will be studied synthetically. Beginning with the hymns and anthems of the Church, the formation of the various types of vernacular lyric poetry in France is investigated. The Art of the Troubadours and Trouvères is compared with the songs of the so-called Goliards (*Carmina Burana*), with those of the Sicilian poets, and of the Minnesinger, in order to establish to what extent French Poetry has influenced them, both as to form and as to thought. Other subjects discussed are: the predominant musical character of lyric poetry throughout the Middle Ages; three periods, from the artistic monopoly of the Clerics to the Nobility, then to the aristocratic Bourgeoisie and finally to the People; the Ars Nova and the influence of fourteenth century Italian poetry upon the French Chanson of the fifteenth century.

### Seminary in French Literature, Mr. Vatar.

*Two hours a week throughout the year.*

In 1916-17 the subject of the seminary is Chateaubriand. After consideration of the early life of Chateaubriand, *Atala* and *René* are studied with regard to the influence of



Rousseau and Bernardin de St. Pierre on their form and content, and with regard to their influence upon the followers of Chateaubriand.

In 1918-19 the subject of the seminary is Baudelaire. Among the topics considered are the origins of the "poésie baudelaire"; the life and works of Baudelaire; the influence of Edgar Allan Poe and Thomas de Quincey on Baudelaire; the followers of Baudelaire in France.

#### The Foundations of French Grammar, Dr. Beck.

*One hour a week throughout the year.*

*(Given in each year.)*

This course is intended to train teachers to be able to give a rational explanation of the various functions of parts of speech and to dispense with mechanical grammatical rules.

#### Seminary in Romance Philology, Dr. Beck.

*Three hours a week throughout the year.*

*(Given in each year.)*

The seminary in Romance Philology is designed to be a linguistic complement to the seminary in Mediæval French Literature and must be taken by every member of this seminary during her first year. It is also required of all students who choose French as a minor subject in the examination for the degree of Doctor of Philosophy and recommended to students from other Modern Language departments who wish to acquire a reading knowledge of Old French and an outline of Mediæval French literature. The first semester is devoted chiefly to historical grammar of the Romance Languages, especially of Old French, Old Provençal, Old Italian and Old Spanish. During the second semester selections from the most typical genres are read in the order of their evolution so as to give the students an adequate idea of the origin and a summary idea of the development of Old French Literature in particular. The students are also made acquainted with mediæval palæography and other auxiliary disciplines. Experimentation with philological methods prepares the students to do research work.

Students of Old French should be provided with E. Monaci's *Facsimili di documenti per la storia delle lingue e delle letterature Romanze*, W. Foerster's *Altfranzösisches Übungsbuch* and K. Bartsch's *Chrestomathie de l'Ancien Français*, 11th edition.

#### Advanced Old French Philology, Dr. Beck.

*One hour a week throughout the year.*

*(Given in each year.)*

The influence of Mediæval Latin upon the formation of the Old French literary language is studied. After an introduction to Mediæval Latin philology, the linguistic value of mediæval grammars, glosses, commentaries and interlinear translations is examined.

#### The Influence of Mediæval Latin Poetry upon Romance and Teutonic Versification, Dr. Beck.

*One hour a week throughout the year.*

*(Given in 1916-17 and again in 1918-19.)*

The linguistic difference between Classical and Low Latin explains the change from quantitative to qualitative prosody. The fundamental difference between the rhythmical nature of Teutonic and Romance languages explains the dissimilarity in their respective versification. The origin of Rime and of Isosyllabism in French.

Students who take this course are supposed to be familiar with classical and mediæval literature.

#### Romance Languages Journal Club, Dr. DeHaan, Dr. Schenck, Dr. Beck, and Mr. Vatar.

*One and a half hours a fortnight throughout the year.*

The journal club is intended to make the advanced students familiar with all the important European periodicals and with new books dealing with Romance Philology. For each session of the club an important article chosen from some one of the various periodicals

is assigned to a student for review. The student is also referred to previous articles or publications treating of the same subject as that of the review, and is expected to present to the club a chronological outline of the history and stages of the discussion on the given point. Thus the students become familiar with the names of leading Romance scholars and with the particular lines of research in which each of the latter excels. At the same time such reviews prepare the way for seminary work and original investigations.

### Italian.

The instruction in this department is given by Mr. Charles Dominique Vatar, Associate in Modern French Literature and Italian.

The instruction offered in Italian covers seven hours of lectures and recitations a week; it includes five hours a week of undergraduate minor and major work; and two hours a week of graduate work.

A combination of five hours a week for one year of the minor course in Italian with five hours a week for one year of the minor course in Spanish forms a major course and may be taken with any other language to form a group. The undergraduate course in Italian may be taken as free elective courses.

#### FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

Italian, Mr. Vatar.

*Five hours a week throughout the year.*

(May be taken as a free elective.)

**Minor  
Course.**

This course is designed to prepare beginners for the study of Italian literature, as well as for the practical use of the language. Reading is taken up from the start, a careful pronunciation is insisted upon, and the essentials of the grammar are taught by a critical observation of the texts used and by graded exercises in the rendering of English into Italian. In the second semester the reading of Dante's *Inferno* will be begun.

*Group:* Italian, or Italian and Spanish with any language, or Italian with History of Art.

#### GRADUATE COURSES.

The graduate seminary in Italian is varied from year to year in order that it may be pursued by a student for consecutive years. Students electing Italian as a major subject for the degree of Doctor of Philosophy are required to offer French philology as an associated minor. For the list of approved independent minors see the Regulations of the Academic Council. The books needed by graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries.

**Graduate  
Courses.**

## Italian Seminary.

*Two hours a week throughout the year.**(Given in 1918-19.)*

This seminary presupposes a knowledge of Old French Philology and the equivalent of the minor and major courses in Italian offered at Bryn Mawr College. The work is founded upon the treatise entitled *Die Italienische Sprache* by D'Ovidio and Meyer Lübke in Gröber's *Grundriss* (Strassburg, 1906). Various passages from thirteenth and fourteenth century authors are examined critically from a phonological and morphological point of view.

Romance Languages Journal Club, Dr. DeHaan, Dr. Schenck, Dr. Beck and Mr. Vatar.

*One and a half hours a fortnight throughout the year.*

The instructors and advanced students meet to report on and discuss recent reviews and critical articles.

## Spanish.

The instruction in this department is given by Dr. Fonger DeHaan, Professor of Spanish.

The instruction offered in Spanish covers twelve hours of lectures and recitations a week; it includes ten hours a week of undergraduate minor and major work; and two hours a week of graduate work.

A combination of five hours a week for one year of the minor course in Spanish with five hours a week for one year of the minor course in Italian forms a major course, and may be taken with any other language to form a group. Students may thus elect ten hours of Spanish, or five hours of Spanish and five hours of Italian to form a major course.

## FIRST YEAR.

*(Minor Course.)**(Given in each year.)***Major Course.**

Spanish, Dr. DeHaan.

*Five hours a week throughout the year.*

The object of this course is to give beginners a good knowledge of modern Spanish.

The first six weeks are given to the essentials of grammar; exercises at frequent intervals during the first semester give practice in the application of the principles; the remaining time is given to reading prose texts. In the second semester exercises in composition are continued but a greater proportion of the time is given to reading; plays in prose and in verse are read and attention is paid to versification.

## SECOND YEAR.

*(Given in each year.)*

Spanish, Dr. DeHaan.

*Five hours a week throughout the year.*

The work of the first year course is extended by the reading of moderately long and fairly difficult novels by representative modern authors, and some plays in verse, preferably of the classical period. Passages of continuous English prose are translated into Spanish.

*Group: Spanish, or Italian and Spanish with any language, or Spanish with History of Art.*

## GRADUATE COURSES.

Two hours a week of seminary work or graduate lectures are offered each year to graduate students of Spanish accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries. **Graduate Courses.**

The graduate seminary in Spanish is varied from year to year in order that it may be pursued by a student for consecutive years. Students electing Spanish as a major subject for the degree of Doctor of Philosophy are required to offer French philology as an associated minor. For the list of approved independent minors see the Regulations of the Academic Council.

Seminary in Spanish, Dr. DeHaan. *Two hours a week throughout the year.*

*(Given in each year provided the graduate courses listed below are not given.)*

In 1917-18 Tirso de Molina, the plays, will be the subject of the seminary.

Spanish Philology, Dr. DeHaan. *One hour a week throughout the year.*

*(Offered as an alternative for the seminary in Spanish.)*

Old Spanish Readings, Dr. DeHaan. *One hour a week throughout the year.*

*(Offered as an alternative for the seminary in Spanish.)*

Romance Languages Journal Club, Dr. DeHaan, Dr. Schenck, Dr. Beck and Mr. Vatar. *One and a half hours a fortnight throughout the year.*

The instructors and advanced students meet to report on and discuss recent reviews and critical articles.

## SEMITIC LANGUAGES AND BIBLICAL LITERATURE.

The instruction in this department is under the direction of Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages. The instruction offered in this department includes three hours a week of Oriental History, three hours a week of free elective courses in Biblical Literature, and six hours a week of graduate courses in Semitic Languages.

The college was particularly fortunate in securing in the year 1892 the library of the late M. Arthur Amiaud, of Paris. While M. Amiaud was especially eminent as an Assyriologist, he was also prominent as a general Semitic student. His library was the collection of an active scholar, and forms a working library for the student in every department of Semitic study. It is



especially rich in the Hebrew, Syriac, and Assyrian languages, containing several works, indispensable to the student, which are now out of print. Another Semitic library containing many works on the Talmud and on Jewish literature was acquired in 1904. In 1907 Mr. Albert J. Edmunds presented to the college his library of 500 volumes on the history of religion. The contents of these libraries, together with the books already owned by the college and those easily accessible in neighboring libraries, form an exceptionally good collection of material for the specialist in Semitic languages. A good working collection of cuneiform tablets is under the control of the department, and affords an excellent opportunity for students of Assyrian to become familiar with original documents.

#### MINOR COURSE.

*(Given in each year.)*

#### **Minor Course.**

Oriental History, Dr. Barton.

*Three hours a week throughout the year.*

(May be taken as a free elective or may be substituted for part of the second year of required science, or part of the minor course in ancient history.)

This course treats in broad outlines the history and civilisation of the classical orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal oriental nations, Egyptians, Babylonians, Assyrians, Phœnicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archæological specimens and by photographs. Either semester may be elected separately.

#### FREE ELECTIVE COURSES.

#### **Free Elective Courses.**

The courses in Biblical Literature are intended primarily for undergraduate students, but may be elected by graduate students also.

History of the Old Testament Canon, Dr. Barton.

*One hour a week throughout the year.*

*(Given in 1916-17 and again in 1918-19.)*

In this course the history of the composition and collection of the books of the Old Testament is studied. The instruction is given in lectures, and readings are assigned in the Old Testament itself and in modern literature concerning it.

New Testament Biography, Dr. Barton. *Two hours a week throughout the year.*

*(Given in 1916-17 and again in 1918-19.)*

The first semester of this course is devoted to a careful study of the life and teaching of Christ; the second semester to the life and teaching of St. Paul. The instruction is

given in lectures, and the Gospels and Epistles are read together with the most helpful of the modern works on these topics. The course is illustrated by photographs of the most important places connected with the lives of Christ and St. Paul.

### History of the New Testament Canon, Dr. Barton.

*One hour a week throughout the year.*

*(Given in 1917-18 and again in 1919-20.)*

This course, which alternates with the course on the Old Testament Canon, consists of a study of the New Testament.

### The History of Christian Doctrine, Dr. Barton.

*Two hours a week throughout the year.*

*(Given in 1917-18 and again in 1919-20.)*

In the first semester Christianity is studied as presented by its Founder and by the apostles, and in the second semester the history of Christian doctrine from 100 A. D. to the present time is briefly reviewed, and problems presented by modern thought are touched upon.

### GRADUATE COURSES.

Seminary work and graduate lectures amounting to at least five hours a week are offered each year to graduate students of Semitic languages and Biblical Literature accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the elective courses of the department amounting to three hours a week may be elected by graduate students.

### **Graduate Courses.**

The graduate courses in Semitic languages are varied from year to year, as indicated below, so that they may be pursued by a student for four successive years. Those who offer Semitic languages as the major subject in the examination for the degree of Doctor of Philosophy are required to spend in Semitic work half their time for at least three years.

The work of the department is so arranged that students may specialise in Hebrew or Assyrian. Students who offer Hebrew or Assyriology as the major subject in the examination for the degree of Doctor of Philosophy must possess a knowledge of the grammatical forms of five Semitic languages and in this enumeration Syriac and Jewish Aramaic may not count as separate languages. For a list of approved associated and independent minors see the Regulations of the Academic Council.

The regular alternation of courses is indicated below and at least five hours a week will be given in each year, the courses being selected according to the needs of the graduate students. Graduate students may enter in any year of the four years' course, as there will be afforded each year an opportunity for graduate students to begin Hebrew.

The following courses are offered in 1916-17 and again in 1918-19:

### Semitic Seminary, Dr. Barton.

*Two hours a week throughout the year.*

This seminary is devoted to Hebrew or Assyrian, the languages that may be offered as major subjects for the doctor's degree. The time may be devoted to one of these

languages, or may be divided between the two, according to the needs of the students. In Assyrian the subject may be chosen from one of the following: the oldest Babylonian inscriptions, temple archives of Telloh, Sumerian hymns, the code of Hammurabi, Semitic contracts or mythological poetry. In Hebrew, one of the following subjects may be selected: the historical books, Job, the Psalter, Isaiah, Jeremiah, Ecclesiastes and the Song of Songs, or Hebrew Epigraphy. In the Hebrew seminary the students are trained in textual criticism through the use of the ancient versions. In 1916-17 the seminary was given three hours a week.

#### Seminary in Aramaic and Arabic, Dr. Barton.

*Two hours a week throughout the year.*

*(Not given in 1916-17.)*

This seminary is devoted to Arabic or Aramaic, the languages that may be offered as minor subjects for the doctor's degree. The time may be devoted to one of the languages, or may be divided between the two, according to the needs of the students. In Arabic the subject may be chosen from one of the following: the Coran, pre-Islamic poetry, Arabic geographers, or South Arabic inscriptions. In Aramaic, one of the following subjects may be selected; a comparative study of the Syriac Versions of the Gospels, the Syriac Version of one of the Old Testament books, the writings of Gregory Bar Hebraeus, or of Efraem, the Targum on one of the Old Testament books, the Talmud, or Aramaic inscriptions.

#### Elementary Semitic Languages, Dr. Barton.

*Two hours a week throughout the year.*

This course may be devoted to the elements of Hebrew, or of Aramaic (Syriac and Jewish Aramaic), or Assyrian, or Arabic according to the needs of the students. The time may, if necessary, be divided between two of these languages.

#### Comparative Semitic Grammar, Dr. Barton.

*One hour a week throughout the year.*

*(Not given in 1916-17.)*

The grammar of Brockelmann is used as a basis with comparisons from the Egyptian and other Hamitic languages.

#### Ethiopic, Dr. Barton.

*One hour a week throughout the year.*

*(Not given in 1916-17.)*

The grammar and *Chrestomathia* of Praetorius and Dillmann are used and in the latter part of the course selections are read from the book of Enoch.

#### Hebrew Literature, Dr. Barton.

*One hour a week throughout the year.*

This course is devoted to a study of the Prophets, the Pentateuch, and the historical books of the Old Testament.

The following courses are offered in 1917-18 and again in 1919-20.

#### Semitic Seminary, Dr. Barton.

*Two hours a week throughout the year.*

The work of the seminary is continued as given in 1916-17.

#### Seminary in New Testament Greek, Dr. Barton.

*One hour a week throughout the year.*

The work of the seminary is varied from year to year, so that a continuous course, covering the interpretation and the literary problems of the entire New Testament and the sub-Apostolic literature, may be pursued through four years. A year is devoted to the New Testament Epistles, another to the interpretation of the Gospels and the Synoptic and Johannine problems, a third to the books of Acts and Revelation, and a fourth to the



**Apostolic Fathers.** During the first year of her work each student is given guidance in a course of reading on the history of the text and the science of textual criticism and also guidance in the practice of this discipline.

**Egyptian, Dr. Barton.**

*One hour a week throughout the year.*

The elements of Egyptian and Coptic grammar are taught, and some texts in each language interpreted.

**Seminary in Oriental Archaeology, Dr. Barton.**

*One hour a week throughout the year.*

The work of this course may be devoted to the archaeology of Mesopotamia, Palestine, or Egypt according to the needs of the students. It consists of extensive courses of reading in the literature of the subject, together with a study of photographs and archaeological objects, of reports, criticisms, conferences and occasional lectures. To meet the needs of students of ancient history, the seminary may in some years be devoted to the history of one of the countries mentioned. The work will then consist in a study of the sources of the history of the country chosen, and the proper method of using them.

**Seminary in the History of Religion, Dr. Barton.**

*One hour a week throughout the year.*

By means of lectures, reports, and discussions the principal features of primitive religions are ascertained, and the principal civilized religions studied with special reference to origin, historical development, and religious point of view.

## History.

The instruction in this department is under the direction of Dr. Howard Levi Gray, Professor of History, Dr. William Roy Smith, Professor of History, Dr. James Miller Leake, Associate in History, Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Dr. James Fulton Ferguson, Associate Professor of Latin and Ancient History.

The instruction offered in history covers forty-four hours of lectures a week; it includes twenty hours a week of undergraduate major and minor work in modern history and ten hours a week of major and minor work in ancient history; five hours a week of post-major work, open only to graduates and undergraduates that have completed the major course in history, and nine hours a week of graduate work.

The object of the major course in history is three-fold. Primarily, history is taught for its own sake as a record of the development of humanity; secondarily, as a necessary accompaniment to the study of political institutions; and finally, as a framework for other forms of research, linguistic, religious, or archaeological. The courses are planned to develop in the students a readier historical sense, and a consciousness of historical growth, rather than to give them a mere outline of general his-



tory. The instruction consists mainly of lectures, which are designed to create interest in the broad lines of historical development; the lectures are accompanied by constant references for private reading, to stimulate accuracy in detail and independence in judgment.

FIRST YEAR. •

(Minor Course.)

*Modern History.*

*Modern History.*

*1st Semester.*

(Given in each year.)

**Major  
Course.**

History of Europe from 1815 to 1915, Dr. Gray and Dr. Leake.

*Five hours a week.*

(This course may be taken as a free elective. The class is divided alphabetically into two sections, A and B. Dr. Gray lectures to Section A, Dr. Leake lectures to Section B.)

The course deals with the political and social transformation of Europe which was initiated by the French Revolution. The outcome of the Revolution, the career of Napoleon, the absolutist reaction of the early nineteenth century, the successive revolts against this, the formation of modern constitutional governments, the creation of the German Empire and the Kingdom of Italy, the extension of European influence to Asia and Africa, and the treatment of social problems of today are among the topics studied. The instruction is given by means of lectures, required reading, written papers, and discussion.

*2nd Semester.*

History of Europe from 1517 to 1789, Dr. Smith.

*Five hours a week.*

(This course may be taken as a free elective. The course in the History of Western Europe in the Middle Ages may be substituted for this course.)

The course begins with a brief survey of the organisation of the mediæval Church, the rise and decline of the Papacy, and the pre-Lutheran reform movements. It then considers, more in detail, the Reformation, the Catholic Reformation, and the Religious Wars, the territorial expansion of France and the rise of French absolutism, the theory of the balance of power; the rise of Prussia and Russia; the expansion of England; the benevolent despotisms of the eighteenth century; and the antecedents of the French Revolution.

The History of Western Europe in the Middle Ages, Dr. Leake.

*Five hours a week.*

(This course may be taken as a free elective. The course in the History of Europe from 1517 to 1789 may be substituted for this course.)

Commencing with a survey of conditions in the Roman world at the end of the fourth century A. D., this course carries the story of the people of Western Europe to the eve of the Renaissance. While general in character, particular study is given to the development of France, to the rise of the Papacy, and to the great rôle played by the Church in this middle period. Where possible, emphasis is laid on social, intellectual, and artistic life. Robinson's *History of Western Europe*, with the same author's *Readings in European History*, are used by the students as guides, and additional selected readings and exercises are regularly required.

## SECOND YEAR.

*Modern History.**1st Semester.**(Given in each year.)*

## British Imperialism, Dr. Smith.

*Five hours a week.**(Given in each year.)*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under this condition it may be taken as a free elective. The course in the French Revolution and Napoleon may be substituted for this course.)

This course deals with the external history of the English people: the sea-rovers of the sixteenth century; the beginnings of American colonisation; the contrast between the old colonial system and the new; the history of Canada, Australasia, South Africa, India, Egypt and other colonies and dependencies; the new imperialism of Beaconsfield and Chamberlain; the present position of England as a world power.

## The French Revolution and Napoleon, Dr. Leake.

*Five hours a week.*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under this condition it may be taken as a free elective. The course in British Imperialism may be substituted for this course.)

This course treats of the history of France and of Europe from 1789 to 1815, by means of lectures, assigned readings, and reports. The period is considered as an organic whole and the career of Napoleon is regarded as that of a child of the Revolution who in his later years abuses what has made him. The form of the course is chiefly narrative and an effort is made to view the Revolution in its wider aspects as, in a sense, a part of the history of all modern states. The increasing mass of secondary material is appraised and some printed documentary material is used for reports and references.

*2nd Semester.*

## History of the Renaissance, Dr. Gray.

*Five hours a week.*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under this condition it may be taken as a free elective.)

An endeavour is made to indicate in what ways mediæval life and thought were transformed into those of modern Europe. Political, economic, literary, artistic and scientific changes are therefore studied. Since Italians were prominent in the new movements most attention is given to Italian history, but the innovations of the North, especially those connected with the new Burgundian State, are not neglected. The period extends in a general way from 1250 to 1527.

## FIRST YEAR.

*(Minor Course.)**Ancient History.**Ancient History.**(Given in each year.)*

## Oriental History, Dr. Barton.

*Three hours a week throughout the year.***Major  
Course.**

(This course may be taken as a free elective and may be entered in the second semester, but must be elected in both semesters in order to count as part of the minor course in Ancient History.)

This course treats in broad outlines the history of the civilisation of the Classical Orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal oriental nations, Egyptians, Babylonians, Assyrians, Phœnicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander

and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archaeological specimens and by photographs. Either semester may be elected separately.

### Outline Survey of Classical History, Dr. Ferguson.

*Two hours a week throughout the year.*

(This course may be taken as a free elective and may be entered in the second semester but must be elected in both semesters in order to count as part of the minor course in Ancient History.)

The object of the course is to trace in outline the growth of Græco-Roman civilisation from its beginnings to the reign of Charlemagne. The growth and fall of the city-state, the founding of empire and the spread of Greek culture by Alexander and his successors, the reaction of the Greek upon the Roman world, the changes introduced by foreign religions, and by the Teutonic invasions, and the growth of Teutonic nations with Roman ideals and spirit, are some of the subjects to be studied. The course is intended to serve as an introduction to further study in classical or mediæval history.

### SECOND YEAR.

#### *Ancient History.*

#### *1st Semester.*

*(Given in each year.)*

#### Fifth Century Athens, Dr. Ferguson.

*Three hours a week.*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under the above conditions it may be taken as a free elective, but students taking Ancient History as a group must elect also the course in the First Century of the Roman Empire in order to count it as part of the major course.)

The political, economic, and social life of Greece, especially of Athens, during the fifth century B. C. is studied to show the influence under which Greek art and literature developed. Lectures are supplemented by reports on assigned topics.

#### Lectures on Roman Life, Dr. Frank.

*One hour a week.*

*(Given in each year.)*

(This course may be taken as a free elective and may be entered in the second semester, but students taking Ancient History as a group must elect the course in both semesters in order to count it as part of the major course.)

An attempt is made to describe briefly Roman social and economic conditions, as well as the development of religious beliefs and institutions.

#### The Historians of Greece and Rome, Dr. Ferguson.

*One hour a week.*

*(Given in each year.)*

(This course may be taken as a free elective and may be entered in the second semester, but students taking Ancient History as a group must elect the course in both semesters in order to count it as part of the major course.)

The course is intended to show the nature and worth of historical writing among the Greeks and Romans. The works of some of the more important historians are analysed to discover their methods, accuracy, and conception of history. The influence of rhetoric and biography on historical writing is studied, and some practical work in bibliography and criticism is given.

#### Art and Life in Hellenistic Towns, Dr. Carpenter.

*Two hours a week.*

*(Given in each year.)*

(This course may be taken as a free elective, but students wishing to count it as part of the major course in Ancient History must elect also the course in Ancient Rome given in the second semester.)

A reconstruction from existing remains of town and city life in the period between the death of Alexander the Great and the Roman domination.

## 2nd Semester.

### The First Century of the Roman Empire, Dr. Ferguson.

*Three hours a week.*

*(Given in each year.)*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under the above conditions it may be taken as a free elective, but students taking Ancient History as a group must elect also the course in Fifth Century Athens in order to count it as part of the major course.)

The course consists of a study of the political and economic and social life of the early empire, with special reference to the reign of Augustus. Some source study, and criticism of modern accounts is given. The lectures are supplemented by reports on assigned topics.

Lectures on Roman Life (continued), Dr. Frank.

*One hour a week.*

The Historians of Rome (continued), Dr. Ferguson.

*One hour a week.*

Ancient Rome, Dr. Swindler.

*Two hours a week.*

*(Given in each year.)*

(This course may be taken as a free elective, and if combined with the course in Art and Life in Hellenistic Towns may be counted as part of the major course in Ancient History.)

The course deals with the art and material civilisation of Rome through Republican and Imperial times. It is intended both as an archaeological background to Latin studies and as an introduction to Roman Art, especially sculpture and painting.

*Group:* Modern History with Economics and Politics; Modern History with German, or with French, or with History of Art; Ancient History with Greek, or with Latin, or with Classical Archæology.

## FREE ELECTIVE COURSE.

### History of the United States from 1865 to 1915, Dr. Smith.

*Two hours a week throughout the year.*

The aim of this course is to present the historical background necessary to enable students to discuss intelligently the more important social, industrial, political, and diplomatic problems of the present day. They are also taught by means of required reading and reports how to use memoirs, letters, magazines, newspapers, and other contemporary historical sources.

**Free  
Elective  
Course.**

## POST-MAJOR COURSES.

### England under the Tudors, Dr. Gray. *Three hours a week throughout the year.*

*(Given in 1916-17 and again in 1918-19.)*

Attention will be given to the character of Tudor absolutism, parliamentary and local government, dynastic ambitions, foreign trade, the prosperity of the towns and the eco-

**Post-  
Major  
Courses.**



men, the progress of the Reformation, and the complications in foreign affairs arising from religious changes. The reading and reports will be based largely upon contemporary documents.

England to 1485, Dr. Gray.

*Three hours a week throughout the year.*

*(Given in 1917-18 and again in 1919-20.)*

The transformation of Anglo-Saxon into Norman England, the constitutional and legal innovations of the Norman and Plantagenet kings, the intellectual and social condition of England at the height of the Middle Ages, and the effects of the Hundred Years' War are subjects of study. The more important documents and secondary works are discussed and written reports are required.

American Constitutional History from 1783 to 1865, Dr. Smith.

*Two hours a week throughout the year.*

*(Given in 1916-17 and again in 1918-19.)*

The lectures deal with the leading aspects of the political, constitutional, and economic history of the United States from the ratification of the constitution to the present time. The text-books used are MacDonald's *Select Documents of the History of the United States*, but frequent additional references are given to the leading secondary authorities. To a limited extent use will be made of such documents as are available in the library, and special topics will be assigned for discussion and report.

American Constitutional History to 1783, Dr. Smith.

*Two hours a week throughout the year.*

*(Given in 1917-18 and again in 1919-20.)*

The text-books used in the course are MacDonald's *Select Charters of American History* and *Select Documents of the History of the United States*. The members of the class are also systematically referred, not only to the general authorities, but also to colonial charters and constitutions, the records of the colonial governments as far as they are available, the journals of Congress, and other documentary materials.

#### GRADUATE COURSES.

Three distinct seminaries, one in English and European history, one in American history and one in Ancient history are offered to graduate students in history in addition to a course in Historical Method and Bibliography and the direction of private reading and original research. Students may offer either European History or American History as a major for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Seminary in English and European History, Dr. Gray.

*Three hours a week throughout the year.*

*(Given in each year.)*

In 1916-17 the subject of the seminary is a study of the reigns of Edward III and Richard II. The progress of the Hundred Years' War, the innovations in military science, the social changes wrought by the Black Death, the attitude of government and people toward the church, the causes of the Peasants' Revolt of 1381, the rise of a native merchant class, and the composition and power of Parliament will receive attention. Contemporary chronicles and state papers are the bases of study.

In 1917-18 the subject of the seminary will be England in the fifteenth century. The development of the art of war, the legislation of Lancastrian and Yorkist parliaments, the prosperity of towns and merchants, the influence of the Burgundian connection, and the effects of the War of the Roses will be examined.

In 1918-19 England in the sixteenth century will be the subject of the seminary. The agrarian problem and the disorder connected with it, the increase of royal power at the expense of the old nobility, the rise of a new nobility, the renunciation by the English church of papal authority with the consequent administrative and dogmatic changes, the commercial and colonial ambitions of England, and the conflict with Spain will receive attention.

### Seminary in American History, Dr. Smith.

*Two hours a week throughout the year.*

*(Given in each year.)*

In 1916-17 the seminary deals with the Civil War and Reconstruction. Special stress is laid upon the social, economic and political reorganization of the South, the North and the West and also of the nation as a whole during the period from 1861 to 1877.

In 1917-18 the subject of the seminary will be slavery and the negro problem. After a preliminary survey of the history of slavery in the colonial period such topics as the slavery compromises of the constitution, the growth of slavery in the South, the abolition of the slave trade, the Missouri Compromise, the anti-Slavery movement, nullification, the Mexican War, the Wilmot Proviso, the compromise measures of 1850, the Kansas-Nebraska bill, the Dred Scott decision, the abolition of slavery, and the adoption of the thirteenth, fourteenth, and fifteenth amendments are discussed. Special attention is paid to the conflict between sectionalism and nationalism and the connection between slavery, territorial expansion, and the development of constitutional theories.

In 1918-19 the Revolution, the Confederation, and the Constitution will be the subjects of study. American history from 1776 to 1789 is discussed primarily from the local point of view as a step in the conflict between the seaboard aristocracy and the democracy of the frontier. The social and economic forces which led to the adoption of the Federal Constitution and the subsequent formation of national political parties are investigated.

All students offering this seminary for the degree of Doctor of Philosophy are required to offer in addition the course in Historical Method and Bibliography.

### Seminary in Ancient History, Dr. Ferguson.

*Two hours a week throughout the year.*

*(Given in each year.)*

In 1916-17 the Later Roman Empire is studied. The founding of absolutism and its effects, economic depression, serfdom, religious controversies, and the relations between church and state, are among the topics for discussion.

In 1917-18 the Hellenistic Age is the subject of the seminary. The development of the Hellenistic world is traced from the formation of permanent states down to the conquest of the east by Rome. Special emphasis is given to the intellectual awakening, the formation of Greek leagues, commercial activity, and the effect of the contact of the Greek and Roman worlds.

In 1918-19 the Early Roman Empire will be studied. The work of the first semester will be confined to the reign of Augustus. In the second semester special topics dealing with the political, economic, and religious problems of the first century of empire will be investigated, with considerable emphasis on inscriptional evidence.

### Historical Method and Bibliography, Dr. Leake.

*One hour a week throughout the year.*

The matters dealt with in this course are the field of history and its relations to allied subjects; the evolution of the scientific historical method; the outlines of historical bibliography; the great collections of printed material; archives and MSS.; the work and rank of leading historians of the modern school. Throughout the course practical studies will

be assigned to illustrate the subjects under discussion. A reading knowledge of French and German is required. This course must be elected by all students who offer the seminar in American History for the degree of Doctor of Philosophy.

Historical Journal Club, Dr. Gray, Dr. Smith, and Dr. Leake.

*Two hours once a fortnight throughout the year.*

The instructors in the department of history and the graduate students who are pursuing advanced courses in history meet once a fortnight to make reports upon assigned topics, review recent articles and books, and present the results of special investigations.

## Economics and Politics.

The instruction in this department is under the direction of Dr. Marion Parris Smith, Professor of Economics and Politics, and Dr. Charles Ghequiere Fenwick, Associate Professor of Political Science, Dr. James Miller Leake, Associate in History, and Miss Anna Christine McBride, Instructor in Economics and Statistics and Statistical Secretary to the Department of Social Economy and Social Research.

The instruction offered in this department covers twenty-two hours of lectures a week; it includes ten hours a week of undergraduate minor and major work; one hour of free elective, five hours a week of post-major work open only to graduates and to undergraduates who have completed the major course in economics and politics; and six hours a week of graduate work.

The object of the undergraduate courses in economics and politics is three-fold: first, to trace the history of economic and political thought; second, to describe the development of economic and political institutions; and third, to consider the practical economic and political questions of the day. Instruction is given by lectures. The lectures are supplemented by private reading, by oral and written quizzes, by written theses and reports, and by such special class-room exercises as the different subjects require.

### FIRST YEAR.

*(Minor Course.)*

#### 1st Semester.

*(Given in each year.)*

Introduction to Economics, Dr. Marion Parris Smith and Miss McBride.

*Five hours a week.*

(This course may be taken as a free elective. The class is divided alphabetically into two sections, A and B, one conducted by Dr. Marion Parris Smith and one by Miss McBride.)

**Major  
Course.**



The objects of this course are to introduce the students to the economic problems in the modern state, and to train them to think clearly on economic subjects. The subjects considered are production, agricultural and industrial; distribution of wealth, the mechanism of exchange, economic institutions of money, banking, foreign exchange, markets; transportation, etc.

Students are required to write occasional short papers in connection with their private reading, and one short report on a specially assigned topic.

## *2nd Semester.*

Introduction to Government and Politics, Dr. Fenwick and Dr. Leake.

*Five hours a week.*

(This course may be taken as a free elective. The class is divided alphabetically into two sections, A and B, one conducted by Dr. Fenwick and one by Dr. Leake.)

The object of this course is to present the structure and organization of the government of the United States and of the government of the several states, together with an examination of the party system and its effects upon the actual operations of government. It is followed by a comparative study of the governments of Great Britain, France, and Germany.

## SECOND YEAR.

### *1st Semester.*

*(Given in each year.)*

Present Political Problems, Dr. Fenwick.

*Five hours a week*

(This course may be elected only by students who have studied economics and politics at least five hours a week for one year. Under this condition it may be taken as a free elective.)

The object of this course is to present the chief political problems which have arisen in recent years. The several branches of the federal and state governments are taken up one by one and such questions discussed as: the influence of the Executive over Congress; the conflict between treaties and legislation; the relation of the administrative departments to Congress; Committee rule in Congress, the growth of the judicial power and proposals for restricting it; the courts and social legislation; the initiative, referendum and recall; commission government in cities, etc. The course will be preceded by a brief study of modern theories relating to the end and object of the state, in order to ascertain the proper sphere of the activities of the state.

### *2nd Semester.*

History of Economic Thought, Dr. Marion Parris Smith.

*Five hours a week.*

(This course may be elected only by students who have studied economics and politics at least five hours a week for one year. Under this condition it may be taken as a free elective.)

The object of this course is to give advanced students an historical introduction to certain modern economic problems of value and distribution. The course is divided into two parts: Part I deals with the history of certain economic ideas from the middle of the eighteenth century to the present.

The students are expected to read critically portions of standard texts, including those of Turgot, Adam Smith, Ricardo, Malthus, J. S. Mill, Jevons, and certain of the Austrian economists. Part II consists of a study of certain modern economic problems in value and distribution. Occasional short papers in connection with the reading, and one long report on some specially assigned subject are required.

*Group: Economics and Politics with Modern History or with Philosophy, or with Philosophy and Psychology, or with Psychology.*



## FREE ELECTIVE COURSE.

**Free  
Elective  
Course.**

Elements of Private Law, Dr. Fenwick. *One hour a week throughout the year*  
(Given in each year.)

The object of the course is to familiarize the student with the principles and technical terms of those branches of private law with which the ordinary citizen is brought into contact. The subjects covered include Persons and Domestic Relations, Contracts, Torts, Real and Personal Property, and Negotiable Instruments. The lectures are supplemented by a study and discussion of judicial decisions bearing on the subject.

## POST-MAJOR COURSES.

**Post-  
Major  
Courses.**

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

American Economic and Social Problems, Dr. Marion Parris Smith.

*Three hours a week throughout the year*

(Given in 1916-17 and again in 1918-19.)

The object of this course is, first, to trace certain social movements in the United States from 1865 to the present time. Special studies are made of the changes in rural and urban population; the development of city life; the problems of country life; immigration, the race problem; the marketing and distribution of food, the cost of living, etc. Special topics are assigned to students for reports and attention is given to the use of original source material.

Economic and Social Legislation in England and America since 1890, Dr. Marion Parris Smith.

*Three hours a week throughout the year*

(Given in 1917-18 and again in 1919-20.)

The first semester is devoted to a review of recent English legislation dealing with trade unions, workmen's compensation, minimum wages, the sweated trades, old age pensions, unemployed, child-welfare, and the land system. In the second semester American legislation on these subjects is reviewed as well as recent Anti-Trust legislation. Special topics are assigned to students for reports, and attention is given to the use of original source material.

International Law, Dr. Fenwick.

*Two hours a week throughout the year.*

(Given in 1916-17 and again in 1917-18.)

The object of this course is to present the rules of international law as a positive system with an historical background of custom and convention. Use is made of judicial decisions of British and American courts applying the principles of international law wherever such cases are in point, and an endeavour is made to determine the precise extent to which a given rule is legally or morally binding upon nations. In view of the importance of the rules relating to war and neutrality at the present time, greater attention is paid to these than to the laws prevailing between nations at peace.

Constitutional Law of the United States, Dr. Fenwick.

*Two hours a week throughout the year.*

(Given in 1918-19.)

In this course the leading principles of the American constitutional system will be examined. The course will deal principally with the federal constitution and the decisions of the Supreme Court of the United States. Some attention will be given, however, to state constitutions and the decisions of state courts. Stress will be laid upon decisions relating to social and economic questions,

## GRADUATE COURSES.

Six hours a week of seminary work and graduate lectures are offered each year to graduate students of economics and politics. **Graduate Courses.**

Two seminaries, one in economics, one in political science, are offered each year in addition to the direction of private reading and original research. An advanced course in statistics is given in the Department of Social Economy. Post-major courses amounting to five hours a week which may be elected by graduate students are given in each year. Students may offer either economics or politics as their major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library.

## Economics Seminary, Dr. Marion Parris Smith.

*Two hours a week throughout the year.*

*(Given in each year.)*

The object of the seminary is to train students in methods of research and to give them practice in using the sources of economic history and theory.

In 1916-17 the Theories and Problems of Distribution and the agencies in modern social life that effect the distribution of wealth are studied. Special attention is paid to wage problems, profit sharing, various plans for controlling large scale production, modern land systems, etc.

In 1917-18 Economic History and Economic Theory in the United States from 1793 to 1850 will be studied with special reference to the tariff, the banking system and the nullification controversy.

In 1918-19 Currency and Banking Systems of the United States will be the subjects of the seminary.

## Political Seminary, Dr. Fenwick.

*Three hours a week throughout the year.*

*(Given in each year.)*

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures are given but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

In 1916-17 the Constitutional Law of the United States is the subject of the seminary.

In 1917-18 Municipal Government will be the subject of the seminary. In this course will be investigated such subjects as the relation of the city to the state, the newer forms of city government, problems of municipal administration, embracing the control of public utilities, municipal ownership, the city budget, public health, the police department, and other related municipal activities.

In 1918-19 Constitutional Questions involved in Modern Economic and Social Problems will be the subject of the seminary. The chief economic and social problems of the United States will be studied from the point of view of the restrictions placed by the Constitution upon the legislative powers of Congress and of the several states in dealing with those subjects. As an introduction the various theories relating to the proper functions of the state will be discussed.

## Economics and Politics Journal Club, Dr. Marion Parris Smith and Dr. Fenwick.

*Two hours once a fortnight throughout the year.*

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

### **Social Economy and Social Research.**

#### *The Carola Woerishoffer Graduate Department of Social Economy and Social Research.*

This department was opened in the autumn of 1915 and is known as the Carola Woerishoffer Graduate Department of Social Economy and Social Research in order that the name of Carola Woerishoffer may be associated in a fitting and lasting way with Bryn Mawr College which she so generously endowed. The department affords women an opportunity of obtaining advanced scientific training in philanthropy and social service to which Carola Woerishoffer devoted her life.

The instruction in this department is under the direction of Dr. Susan Myra Kingsbury, Carola Woerishoffer Professor of Social Economy and Director of the Carola Woerishoffer Department of Social Research, Miss Angie Lillian Kellogg, Instructor in Social Economy and Social Research, Miss Anna Christine McBride, Instructor in Economics and Statistics and Statistical Secretary to the Department of Social Economy and Social Research, and Miss Frieda Segelke Miller, Research Assistant to the Department of Social Economy and Social Research, with the co-operation of the following members of the closely allied departments of Economics and Politics, Philosophy, Psychology and Education: Dr. Marion Parris Smith, Professor of Economics; Dr. Charles Ghequiere Fenwick, Associate Professor of Political Science; Dr. Theodore de Leo de Laguna, Professor of Philosophy; Dr. James H. Leuba, Professor of Psychology and Education; Dr. Clarence Errol Ferree, Associate Professor of Experimental Psychology; Dr. Gertrude Rand, Associate in Experimental and Educational Psychology; Dr. Matilde Castro, Associate Professor (and Professor elect) of Education; Dr. David Hilt Tenment, Professor of Biology, and Dr. Caroline Hurd Le Fevre, Associate Physician of the College. The seminars and courses given by these instructors and enumerated below are specially adapted for students of Social Economy and Social Research.

The courses in Social Economy and Social Research are intended for graduate students who may present a diploma from some college of acknowledged standing. No undergrad-



uate students are admitted although graduate students in the department in addition to the undergraduate courses in economics and political science may elect, subject to the approval of the Director, undergraduate courses in other subjects.

Students of this department should offer for admission to their graduate work a preliminary course in economics, and more advanced courses equivalent to the Bryn Mawr College major course in economics, politics or history, and also preliminary work in psychology or biology, or should follow such courses while taking the work of the department.

The courses are planned for one, two, and three years, on the principle that about two-thirds of the student's time shall be given to the study of theory and statistics and the remaining one-third to practical investigation and work in her chosen field. One half year may be spent in residence in a social service institution or in connection with a social welfare organization in Philadelphia, or New York, or elsewhere, during which time the practical work and special reading and research will be supervised by the Director of the Department and the head of the institution or organization.

The fields from which a subject for the practicum may be chosen are as wide as are the organized activities for social welfare. Advantage has been taken by the department of the very generous interest and cooperation of the Philadelphia social agencies to secure for its students definite affiliations with organizations in the fields chosen by them and a knowledge of the extent and character of such social activities in the city. This has led in the years 1915-17 to an arrangement for co-operative work with the College Settlement, the Criminal Division of the Municipal Court, the Society for Organizing Charity, the Division of Employment of the Bureau of Compulsory Education, the Women's Trade Union League, the Social Service Departments of the University of Pennsylvania Hospital and of the Pennsylvania Hospital, the Bryn Mawr Community Centre, the Massachusetts Minimum Wage Commission, the Federal Children's Bureau, the Children's Aid Society, the Juvenile Court, and the Consumers' League.

Graduates of colleges other than Bryn Mawr College with the preparation specified above who are able to study for one year only will receive diplomas certifying to the work they have taken. As the degree of Master of Arts of Bryn Mawr College is open only to graduates of Bryn Mawr College it is



hoped that this diploma will in many cases be accepted for the master's degree in the colleges and universities from which students have received their bachelor's degree. Graduates of Bryn Mawr College may receive the degree of Master of Arts in Social Economy and Social Research under the conditions prescribed for this degree.

Graduate students that have completed the above preliminary work in Economics and Political Science, or its equivalent, who are able to study for two years only will receive a diploma certifying to the work they have taken in the Graduate Department of Social Economy and Social Research.

The degree of Doctor of Philosophy in Social Economy and Social Research is open to graduates of all colleges of high standing under the conditions prescribed for this degree in Bryn Mawr College.

Candidates for the degree of Doctor of Philosophy in Social Economy and Social Research may select the associated or independent minor from the foregoing seminaries and graduate courses and from other graduate seminaries or courses, subject to the approval of the Graduate Committee.

Three seminaries, two graduate courses, and a practicum counting as a seminary are given each year in the Carol Woerishoffer Department in addition to seminaries and courses in economics, politics, education, philosophy, and psychology. Direction of investigation and research in special fields, and supervision of the practicum in social service and welfare accompanies the seminaries and courses. The seminaries and courses announced by the department are given in rotation so that different courses may be taken through three consecutive years. The selection of courses depends upon the field of social work which the student may choose. A seminary in Social Research or a seminary in Social Theory, and, unless previously taken, a post-major course in Social Statistics and Methods of Social Research are required of all students of the department.

#### FREE ELECTIVE COURSE.

#### ***Free Elective Course.***

Elements of Statistics, Miss McBride.

*One hour a week throughout the year.*

This course deals with the elementary principles of statistics and their application. Among the topics are the array, frequency distributions, averages, measures of variation,

probability and theory of errors, theory of sampling, index numbers, logarithmic curves, graphic methods, comparisons, and the elements of linear correlation.

The course is recommended to students of social economy and of economics. No knowledge of mathematics beyond the requirements for matriculation is presupposed.

#### POST-MAJOR COURSES.

##### Methods and Sources of Social Research, Dr. Kingsbury.

*Two hours a week during the first semester.*

*(Given in each year.)*

**Post-  
Major  
Courses.**

The object of the course is to acquaint the student with the sources of social statistical information and methods of securing, analysing, interpreting and presenting social data. Preparations of the various types of schedules, tabulation of information secured, and the preparation of tables are among the subjects considered. The course concludes with a critical study of the methods used in social economic investigations and of reports by federal and state departments and by private organizations. This course must be accompanied by the course in Elements of Statistics.

##### Organized Effort for Social Betterment, Dr. Kingsbury.

*Two hours a week during the second semester.*

*(Given in each year.)*

A brief survey of the origin, growth, and present methods of the most important social service and social welfare organizations will be presented in order to acquaint the student with the fields of activity in which social work is being carried on: (1) social education, through settlements, civic centres, or other neighbourhood organizations; (2) improvement of industrial conditions, through associations for labor legislation, labor organizations, or consumers' efforts; (3) vocational guidance, through vocational advising, through placement, or through adjustment of employment; (4) child welfare, through societies for care and protection of children; (5) family care, through organizations for the reduction and prevention of poverty; (6) social guardianship, through the probation work in the juvenile courts or corrective institutions.

#### GRADUATE COURSES.

The following graduate courses may be elected subject to the approval of the Director of the Department by students working for the first and second year diplomas as well as by candidates for the degree of Doctor of Philosophy in Social Economy and Social Research.

**Graduate  
Courses.**

##### Seminary in Social Research, Dr. Kingsbury.

*Three hours a week throughout the year.*

*(Given in each year.)*

In 1916-17 the subject of the seminary is Standards of Living, accompanied by field research in Industrial Home Work.

In 1917-18 the seminary will be in Industrial Relations of Women and Minors, accompanied by field research in Occupations of Minors in Philadelphia.

In 1918-19 the seminary will be selected from the following aspects of Social and Industrial Problems: (1) standards of living, including income and wages, (2) social relations, (3) industrial relations of women and minors, (4) vocational opportunities and demands, or (5) the relation of health and industry. Research including field work with conferences will be required of research fellows and scholars and will be offered to every student. A group of students may co-operate to produce a study which, it is hoped, will prove a contribution to our knowledge of the social or industrial conditions investigated.

As the chief subjects of investigation will vary from year to year, as noted above, it will be possible for students to follow the work of the seminary for three consecutive years.

## Seminary in Social Theory, Miss Kellogg.

*Two hours a week throughout the year.**(Given in each year.)*

In 1916-17 the subject of the seminary is Social Origins and Social Evolution, a study of the sentiments, the political and moral tendencies, and the religious and mental traits of primitive man as expressed in language, material invention, activities, and formation, dispersions and struggles of primitive groups.

In 1917-18 the subject of the seminary will be Social Institutions, a study of domestic relations, kinship groups, marriage and the family, industrial organizations, the church, the state, schools, courts of justice, classes, and rights.

## Advanced Social Statistics, Miss McBride.

*Two hours a week throughout the year.**(Given in 1916-17 and in each succeeding year.)*

This course attempts to study intensively the subjects of correlation and causation, or the functional relationships between series of facts. The main considerations of the course are the method of least squares, the theory of linear correlation, spurious correlation, skew correlation, partial correlation, and the theory of contingency.

The course must be preceded or accompanied by the course in Elements of Statistics or its equivalent, and a foundation in mathematics including the Calculus is desirable to facilitate ease in comprehension. It may be accompanied by the Special Laboratory Problems in Statistics to constitute a seminary.

## Special Laboratory Problems in Statistics, Miss McBride.

*Seven hours a week throughout the year.**(Given in 1917-18 and in each succeeding year.)*

This course is offered in each year in connection with the course in Advanced Social Statistics and in connection with that course may constitute a seminary.

## Social treatment of dependents and social treatment of delinquents and defectives, Dr. Kellogg.

*Three hours a week throughout the year.**(Given in each year.)*

This course involves a study of the principles, methods, and agencies employed for the prevention, relief and cure of dependency, defectiveness, and delinquency, such as family case-work, outdoor relief, and institutional care, juvenile courts, probation and parole systems, the indeterminate sentence and psychological laboratories in connection with courts. It is planned to accompany the seminary in Social Economy including the practicum in Social Relief and Social Guardianship.

## Legal Procedure in cases involving women and children, Miss Kellogg.

*One hour a week throughout the year.**(Given in 1917-18 and again in 1919-20.)*

The administrative side of the law affecting women and children is presented in this course. It includes a study of the law as applied in juvenile courts, domestic relations courts, and other municipal courts.

## Social Administration, Miss Kellogg.

*One hour a week throughout the year.**(Given in 1918-19 and again in 1920-21.)*

The object of this course is to study the functions and departments of state boards of charities and corrections; state boards of education; organized charities; other social welfare reformatory and educational institutions; boards of managers' and superintendents' reports; and especially the making of statistical reports and budgets.



**Criminal Law.***Two hours a week throughout the year.*

By special arrangement with the Law School of the University of Pennsylvania students in this Department may pursue the course in Criminal Law offered by Dean Mikell at the Law School, Thirty-fourth and Spruce Streets, Philadelphia.

This course may accompany the course in Social Treatment of delinquents and defectives (Criminology) and the course in Legal Procedure in cases involving women and children.

**Criminal Procedure.***Two hours a week throughout the year.*

By special arrangement with the Law School of the University of Pennsylvania students in this Department may pursue the course in Criminal Procedure offered by Dean Mikell at the Law School, Thirty-fourth and Spruce Streets, Philadelphia.

This course must be preceded by the course in Criminal Law.

**Seminary in Essentials of Educational Theory and Practice for Social Workers, Dr. Castro.***Two hours a week during the second semester.**(Given in 1917-18 and in each succeeding year.)*

The subjects studied in this course are selected so as to serve as an introduction to the educational principles involved in the intelligent direction of such activities as community centres, settlement classes, clubs, etc. Among the subjects studied will be the characteristic mental and physical development of childhood, adolescence, youth, and maturity. This study will be used as a basis for the selection of the educational materials and methods appropriate to the needs and capacities of different groups of varying ages and differing educational opportunities.

**Economics Seminary, Dr. Marion Parris Smith.***Two hours a week throughout the year.*

In 1916-17 the theories and problems of Distribution and the agencies in modern social life that effect the distribution of wealth will be studied. Special attention will be paid to wage problems, profit sharing, various plans for controlling large scale production, modern land systems, etc.

In 1917-18 Economic Theory in England and America in the nineteenth century with special attention to the ideas of free trade and protection will be the subject of the seminary.

**Political Seminary, Dr. Fenwick.***Three hours a week through the year.*

In 1916-17 Constitutional Law of the United States is the subject of the seminary. The decisions of the Supreme Court of the United States form the basis of the work. Special stress is laid upon the relations between the federal and state governments, interstate commerce, and due process of law under the Fourteenth Amendment. Students are required to present brief reports upon assigned cases in the first semester and to prepare a longer report upon a group of cases in the second semester.

In 1917-18 Municipal Government will be the subject of the seminary. In this course will be investigated such subjects as the relation of the city to the state, the newer forms of city government, problems of municipal administration, embracing the control of public utilities, municipal ownership, the city budget, public health, the police department, and other related municipal activities.

In 1918-19 Constitutional Questions involved in modern economic and social problems will be the subject of the seminary. The chief economic and social problems of the United States will be studied from the point of view of the restrictions placed by the Constitution on the legislative powers of Congress and of the several states in dealing with those subjects. As an introduction the various theories relating to the proper functions of the State will be discussed.

**Psychological Seminary, Dr. Leuba.***Two hours a week throughout the year.*

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: instinct, feeling, and emotion; the psychology of religion and of ethics; social psychology; abnormal psychology (mental disorders, arrested mental development, etc.); animal behaviour; psychology of the beautiful.



## Seminary in Social Psychology, Dr. Leuba.

*Two hours a week during the first semester.*

In 1916-17 and again in 1918-19 the Principles of Social Psychology and their applications to problems of commerce, industry and government are the subject of the seminary.

In 1917-18 and again in 1919-20 Temperament and Character, their instinctive and emotional foundation, will be the subject of the seminary.

This seminary is open to students who have pursued an elementary course in psychology. It may be elected separately or may be combined with the seminary in Social and Political Philosophy given in the second semester to count as a seminary in the Department of Social Economy and Social Research.

## Seminary in Social and Political Philosophy, Dr. Theodore de Laguna.

*Two hours a week during the second semester.**(Given in 1916-17 and in each succeeding year.)*

The topics chosen for discussion will vary from year to year. Among them will be such subjects as: the general nature of law; sovereignty and allegiance; the conception of personal liberty; property; punishment; marriage and the family; moral education. This seminary may be elected separately or may be combined with the seminary in Social Psychology given in the first semester to count as a seminary in the Department of Social Economy and Social Research.

## Seminary in Education, Dr. Castro.

*Three hours a week throughout the year.**(Given in each year.)*

In the seminary the principles and methods of education which bear most directly on the selection and teaching of the school curriculum are considered. For members of the seminary who prove to be qualified, opportunities will be afforded for practice in teaching individual children or small groups of Model School pupils who may require special instruction. Observation of classes in the Model School and elsewhere will be part of the required work. The selection of subjects varies from year to year.

In 1917-18 Child-Study will form the central topic of the seminary. The study of the growth rhythms and mental development of the child from infancy through typical stages of physical, mental, and moral development will be the point of departure for the consideration of special problems in educational theory and practice.

## Seminary in Mental Tests, Dr. Rand.

*Two hours a week throughout the year.*

## Laboratory Work.

*Four hours a week throughout the year.**(Given in 1916-17.)*

This course combines seminary, laboratory drill, and research features. In the seminary work the history, development, and purpose of mental tests are treated, and a study made of the sensory and higher mental processes. The laboratory drill consists of training in the application of tests (including the Binet-Simon series), and practice in diagnosing mental ability, using as subjects children from schools in the vicinity of Bryn Mawr and Philadelphia. The research work consists of special problems in the devising and standardization of tests, and the formulation of methods designed to improve specific mental deficiencies. The course is open only to graduate students who have had training in experimental psychology and counts as a seminary only for those students who take in addition the course in special laboratory problems.

## Special Laboratory Problems in Mental Tests, Dr. Rand.

*Four hours a week throughout the year.**(Given in 1916-17.)*

This course is offered in connection with the course in Mental Tests to students who wish to pursue advanced work.

Seminary in Social Economy, including the Practicum, Dr. Kingsbury and Miss Kellogg.

*Two hours a week throughout the year.*

*(Given in each year.)*

This seminary combines practical work in one of the following fields with reading, reports, and discussions: (a) Social Relief and Guardianship; (b) Social Education; or (c) Industrial Organization. In connection with this seminary each student should take a corresponding course in theory: (a) Social Treatment of Dependents, Delinquents and Defectives; (b) Essentials in Educational Theory and Practice for Social Workers; (c) Industrial Organization. One-third of the time of each student\* in the department should be devoted to a practicum which shall come under the joint direction of a member of the department of Social Economy and the head of the social welfare institution with which the student elects to take this work. The work must be of a sufficiently practical character to give the student both the necessary training to fit her to enter her selected field at the close of the course and at the same time a general knowledge of the subject and a theoretical understanding of its problems, methods and technique.

The fields from which a subject for the practicum may be chosen are as wide as are the organized activities for social welfare. Advantage has been taken by the department of the very generous interest and co-operation of the Philadelphia social agencies to secure for its students definite affiliations with organizations in the fields chosen by them and a knowledge of the extent and character of such social activities in the city. This has led in the years 1915-16 and 1916-17 to an arrangement for co-operative work with the College Settlement under Miss Anna Davies, the Criminal Division of the Municipal Court under Dr. Louise Stevens Bryant, the Society for Organizing Charity under Miss Betsey Libbey, the Division of Employment of the Bureau of Compulsory Education under Mr. Henry J. Gideon and Mr. M. P. Townsend, the Women's Trade Union League under Miss Florence Sanville, the Social Service Department of the Hospital of the University of Pennsylvania under Miss Helen Glenn and Miss S. Sawtelle and of the Pennsylvania Hospital under Mrs. Magee, the Children's Bureau under Mr. M. Byall, the Bryn Mawr Community Centre under Miss Hilda W. Smith, the Massachusetts Minimum Wage Commission under Miss Nathalie Matthews, the Federal Children's Bureau under Miss Julia Lathrop, the Children's Aid Society under Mr. E. D. Solenberger, the Juvenile Court under Mrs. Jane Rippin, and the Consumers' League under Miss Mary McConnell.

Social Hygiene, Dr. Le Fevre.

*One hour a week during the first semester.*

Social Economy Journal Club, Dr. Kingsbury, Miss Kellogg, and Miss McBride.

*Two hours once a fortnight throughout the year.*

Current books and articles are reviewed, recent reports, surveys and investigations are criticized, and the results of important research are presented for discussion.

## Philosophy.

The instruction in this department is under the direction of Dr. Theodore de Leo de Laguna, Professor of Philosophy, Dr. Grace Mead Andrus de Laguna, Associate Professor of Philosophy, Dr. Albert Edwin Avey, Associate in Philosophy, Dr. Ethel Ernestine Sabin, Associate (elect) in Philosophy, and Miss Helen Huss Parkhurst, Reader and Demonstrator in History of Art.

The instruction offered in this department covers twenty and a half hours of lectures a week: it includes a required

\* Students who have had satisfactory experience in their chosen field may devote all their time to courses in theory and allied subjects.

course of five hours a week for one semester; ten hours a week of undergraduate major and minor work; two hours a week of free elective, and six hours a week of graduate work.

A course in philosophy, five hours a week throughout one semester, and a course in psychology, five hours a week throughout one semester, are required of all candidates for a degree.

The major course in philosophy presupposes as much information as is contained in the required course, and may be elected as a group in combination with the major course in Greek, Latin, English, economics and politics, psychology, mathematics, or physics.

A combination of five hours a week for one year of the minor course in philosophy with five hours a week for one year of the minor course in psychology, making up a course of five hours a week for two years, forms a major course and may be elected as a group in combination with the major course in Greek, English, economics and politics, mathematics, and physics. The minor or major course in philosophy amounting to five hours a week for one year may be elected as an alternative for the second year of required science.

### **Required Course.**

Introduction to Philosophy, Dr. Theodore de Laguna, Dr. Grace de Laguna and Mr. Avey.

*Five hours a week during the first semester.*

*(Given in each year.)*

(The class is divided into three sections and each section assigned to a different instructor).

The course consists of discussions of certain fundamental problems of metaphysics based as far as possible upon recent philosophical literature. Every effort will be made to foster independence and sincerity of thought, rather than to impress upon the students any system of philosophical dogmas.

### **FIRST YEAR.**

*(Minor Course.)*

#### *1st Semester.*

*(Given in each year.)*

History of Philosophy, Dr. Theodore de Laguna.

*Five hours a week*

Ancient philosophy is very briefly treated. The greater part of the course is devoted to the discussion of selections from the principal writings of Bacon, Hobbes, Descartes, Spinoza, Leibniz, Locke, Berkeley, and Hume.

#### *2nd Semester.*

Elementary Logic and Ethics, Dr. Sabin.

*Five hours a week.*

The equivalent of two hours a week for a semester is devoted to logic and the remainder to ethics. The instruction in logic covers the topics of definition, classification, the interpretation of propositions, the syllogism, the inductive methods, analogy and the use of

### **Major Course.**



hypotheses. In the lectures on ethics special attention will be given to the relations between moral standards and the persistent and developing requirements of social organization.

In 1916-17 a course on Recent Philosophical Tendencies was given by Dr. Grace de Laguna in place of the above course.

### 1st Semester.

#### SECOND YEAR.

From Kant to Spencer, Dr. Sabin.

*Five hours a week.*

The course is principally occupied with the development of the post-Kantian idealism, and with the naturalistic systems of Comte, John Stuart Mill, and Spencer. In 1916-17 this course was given by Dr. Avey.

### 2nd Semester.

Elementary Ethics, Dr. Theodore de Laguna.

*Five hours a week.*

The course comprises an historical and critical introduction to ethics. Particular attention will be given to recent studies in moral evolution, and their significance for the question of the objectivity of moral standards. The latter part of the course will include a simple treatment of the general theory of values, with illustrations of its application in the fields of ethics, æsthetics, and economics.

In 1918-19 and thereafter this course will be replaced by a course in Recent Philosophical Tendencies.

*Group:* Philosophy with Greek, *or* with Latin, *or* with English, *or* with Economics and Politics, *or* with Psychology, *or* with Mathematics, *or* with Physics; Philosophy and Psychology with Greek *or* with English *or* with Economics and Politics *or* with Mathematics *or* with Physics.

#### FREE ELECTIVE COURSE.

Elementary Æsthetics, Miss Parkhurst. *Two hours a week throughout the year.*

*(Given in 1917-18.)*

**Free  
Elective  
Course.**

The course is designed to cover the field of general æsthetic theory. It will consist mainly of a study of the psychology of the æsthetic experience, and of the formal principles illustrated in the various arts.

#### GRADUATE COURSES.

Five hours a week of seminary work and graduate lectures are offered each year to graduate students of philosophy, accompanied by the direction of private reading and original research. **Graduate Courses.**

A seminary in logic and metaphysics is offered each year and a seminary in ethics and one in the history of philosophy are offered in alternate years. The subjects of study are changed from year to year through a cycle of three years. Ten hours a week of advanced undergraduate courses are also open to graduate students. Students electing Philosophy as their major subject for the degree of Doctor of Philosophy may emphasize either metaphysics or ethics. For the list of approved associated and independent minors see the Regulations of the Academic Council. The



books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library.

#### Ethical Seminary, Dr. Theodore de Laguna.

*Two hours a week throughout the year.*

In 1917-18 English Evolutionary Ethics, as exemplified in the writings of Darwin, Spencer, Clifford, Stephen, Alexander, and Hobhouse, and as criticized by Green, Sorley, Huxley, Pringle-Pattison, and Rashdall, will be studied. Special attention will be given to the problem of determining the nature and limitations of the genetic method as applied in ethical research.

In 1919-20 the subject will be Recent French Ethics as represented by Fouillée, Paulhan, Belot, Durkheim, and Levy-Bruhl.

#### Seminary in Logic and Metaphysics, Dr. Theodore de Laguna.

*Two hours a week throughout the year.*

In 1916-17 Inductive and Genetic logic is the subject of the seminary. The theories of Sigwart, Wundt, Bradley, Bosanquet, Dewey, and Baldwin are the basis of investigation.

In 1918-19 English Empiricism will be discussed in the seminary. Special attention will be paid to its connections with associationism, and to the development of the theory of scientific method.

#### Seminary in Social and Political Philosophy, Dr. Theodore de Laguna.

*Two hours a week during the second semester.*

*(Given in 1916-17 and in each succeeding year.)*

The topics chosen for discussion will vary from year to year. Prominent among them will be: the general nature of law; sovereignty and allegiance; the conception of personal liberty; property; punishment; marriage and the family; moral education.

This seminary may be elected separately, or may be combined with the seminary in Social Psychology, given two hours a week during the first semester, to count as a seminary in the Department of Social Economy and Social Research.

#### Seminary in Logic and Metaphysics, Dr. Grace de Laguna.

*Two hours a week throughout the year.*

In 1917-18 Contemporary Realism as represented by Moore, Russell, Alexander, Perry, McGilvary, and Fullerton will be the subject of the seminary.

In 1919-20 the Nature of Consciousness will be the subject of the seminary. During the first semester the psychophysical aspect is examined and during the second semester the epistemological aspect.

#### Seminary in the History of Philosophy, Dr. Avey.

*Two hours a week throughout the year.*

In 1916-17 the philosophy of Kant is the subject of the seminary. The principal writings of the critical period will be read and a careful study will be made of the final organization of Kant's system in the *Critique of Judgment*.

In 1918-19 Descartes and Spinoza will be studied with special reference to their view of the relation between idea and object.

#### Philosophical Journal Club, Dr. Theodore de Laguna, Dr. Grace de Laguna, and Dr. Avey.

*Two hours once a fortnight throughout the year.*

The advanced students and the instructors meet to report on and discuss recent reviews and philosophical articles.

## Psychology.

The instruction in this department is under the direction of Dr. James H. Leuba, Professor of Psychology, Dr. Clarence Errol Ferree, Associate Professor and Professor (elect) of Experimental Psychology and Director of the Psychological Laboratory, Dr. Gertrude Rand, Associate in Experimental and Educational Psychology, and Dr. Albert Edwin Avey, Associate in Philosophy.

The instruction offered in this department covers twenty-four and a half hours of lectures a week; it includes a required course of five hours a week for one semester; ten hours a week of undergraduate major and minor work; two hours a week of free elective work and ten hours a week of graduate work.

A course in psychology, five hours a week throughout one semester, and a course in philosophy, five hours a week throughout one semester, are required of all candidates for a degree.

The major course in psychology presupposes as much information as is obtained in the required course and may be elected as a group in combination with the major course in English, economics and politics, philosophy, mathematics, physics, or biology.

A combination of five hours a week for one year of the minor course in psychology with five hours a week for one year of the minor course in philosophy forms a major course and may be elected as a group in combination with the major course in Greek, English, economics and politics, mathematics, and physics.

The minor or major course in psychology amounting to five hours a week for one year may be elected as an alternative for the second year of required science.

Psychology, Dr. Leuba and Dr. Avey.

*Five hours a week during the second semester.*

*(Given in each year.)*

The text-book used is James's *Briefer Course in Psychology*. In connection with the lectures there are experimental demonstrations.

### FIRST YEAR.

*(Minor Course.)*

*1st Semester.*

*(Given in each year.)*

Experimental Psychology, Dr. Ferree and Dr. Rand.

*Five hours a week.*

**Major  
Course.**

## Laboratory work, Dr. Ferree and Dr. Rand.

*Four hours a week.*

(Open only to those students who have taken the required course in psychology. May be taken as a free elective.)

The lectures constitute an abbreviated course in systematic psychology in which the historical, critical, and theoretical features of the subjects covered are discussed and the experimental features demonstrated. The laboratory work consists of individual practice in selected topics.

*2nd Semester.*

## The Psychology of Instinct, Emotion, and Animal Behaviour, Dr. Leuba.

*Five hours a week.*

(Open only to those students who have taken the required course in psychology. May be taken as a free elective.)

The course in animal psychology does not necessitate a special knowledge of biology, yet it appeals to students of that science since it deals with animal behaviour. Time is spent on an analysis of the methods and processes by which animals learn. This part of the course is of special interest to students of education because of the light thrown upon the problems of learning in man.

## SECOND YEAR.

*1st Semester.**(Given in each year.)*

## Social Psychology: The Psychology of Group Life and the Origin and the Nature of Magic, Religion, Ethics, Science, and Art, Dr. Leuba.

*Five hours a week.*

(Open only to those students who have taken the minor course in psychology five hours a week in the second semester. Experimental psychology is not a prerequisite. May be taken as a free elective.)

Psychology has so far been concerned almost exclusively with individuals, human or animal, normal or abnormal. But a crowd, a clique, an industrial trust, do not behave as the individuals composing them would behave if they acted independently. For this reason the study of the laws of social interrelation and of social action has become a separate branch of psychology. The political institutions, magic, religion, ethics, science, art, industry, and commerce are the most important forms which social life has assumed in the course of human development.

*2nd Semester.*

## Applied Psychology, Dr. Rand.

*Five hours a week.*

## Laboratory work, Dr. Rand.

*Four hours a week.*

(Open only to those students who have taken the minor course in psychology five hours a week throughout the year. May be taken as a free elective.)

The specific applications of psychology form the subject matter of this course. An important feature is the application to the work of the clinic. Demonstrations are made of the mental equipment of children of different ages and individual practice is given in mental testing. The applications of psychology to law, medicine, vocational guidance, advertising, etc., are briefly considered.

*Group: Psychology with Philosophy, or with Mathematics, or with Physics, or with Biology, or Philosophy and Psychology with Greek, or with Latin, or with English, or with Economics and Politics, or with Mathematics, or with Physics.*

## FREE ELECTIVE COURSE.

## Advanced Experimental Psychology, Dr. Ferree.

*Two hours a week throughout the year.**(Given in each year.)****Free  
Elective  
Course.***

This course is intended for students who wish to be trained in research work. It is primarily for fourth year students in psychology, but in very special cases by permission of the instructor it may be taken by a student who has taken the minor course in experimental psychology. The instructor will cooperate with the students in the solution of some original problems. A reading knowledge of French and German is required.

## GRADUATE COURSES.

Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of psychology, accompanied by the direction of private reading and original research and the courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the minor and major courses of the department amounting to ten hours a week may be elected by graduate students. The laboratory of experimental psychology is open to graduate students for research work. Students may offer either Social Psychology or Experimental and Systematic Psychology as a major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

## Psychological Seminary, Dr. Leuba.

*Two hours a week throughout the year.**(Given in each year.)*

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: feeling, emotion and conation; the psychology of religion and of ethics; social psychology; abnormal psychology (mental disorders, arrested mental development, etc.); animal behaviour; psychology of the beautiful.

## Seminary in Social Psychology, Dr. Leuba.

*Two hours a week during the first semester.*

In 1916-17 and again in 1918-19 the Principles of Social Psychology and their applications to problems of industry and government are the subject of the seminary.

In 1917-18 and again in 1919-20 Temperament and Character and their instinctive and emotional foundation will be studied. This seminary together with the seminary in Social Philosophy, given in the second semester, may be counted as a seminary by students in the Department of Social Economy and Social Research.

## Seminary in Systematic Psychology, Dr. Ferree.

*Three hours a week throughout the year.**(Given in each year.)*

This seminary is intended, primarily, to give a systematic presentation of the literature of experimental psychology. Due consideration, however, will be given to all points of systematic importance. The work is grouped about the following topics: sensation, the simpler sense complexes, perception and ideas, feeling and the affective processes, attention,



action, and the intellectual processes (memory, association, imagination, etc.). The course covers three years, but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Seminary in Research Methods and Problems, Dr. Ferree and Dr. Rand.

*Three hours a week throughout the year.*

The object of this seminary is to give training in research. In addition to the work in the laboratory supplementary reading, reports and discussions are required. In special cases the course may be elected for a greater number of hours.

Seminary in Mental Tests, Dr. Rand. *Two hours a week throughout the year.*

Laboratory Work, Dr. Rand. *Four hours a week throughout the year.*

*(Given in 1916-17.)*

This course combines seminary, laboratory drill, and research features. In the seminary work the history, development, and purpose of mental tests are treated, and a study made of the sensory and higher mental processes. The laboratory drill consists of training in the application of tests (including the Binet-Simon series), and practice in diagnosing mental ability, using as subjects children from schools in the vicinity of Bryn Mawr and Philadelphia. The research work consists of special problems in the devising and standardization of tests, and the formulation of methods designed to improve specific mental deficiencies. The course is open only to graduate students who have had training in experimental psychology, and counts as a seminary only for those students who take in addition the course in special laboratory problems.

Special Laboratory Problems in Mental Tests, Dr. Rand.

*Four hours a week throughout the year.*

*(Given in 1916-17.)*

This course is offered in connection with the course in Mental Tests to students who wish to pursue advanced work.

Psychological Journal Club, Dr. Leuba, Dr. Ferree, and Dr. Rand.

*One hour a week throughout the year.*

The advanced students meet with the instructors once a week to hear or read reports on the literature of the subject and on the work done in the laboratory.

Psychological Laboratory Work, Dr. Ferree and Dr. Rand.

The laboratory work consists of individual practice and research.

## Education.

*This school is organized in part from the Phebe Anna Thorne Endowment and is connected with the Phebe Anna Thorne Model School.*

The instruction in Education is under the direction of Dr. Matilde Castro, Professor of Education and Director of the Phebe Anna Thorne Model School, Dr. Gertrude Rand, Associate in Experimental and Educational Psychology, and Miss Angie Lillian Kellogg, Instructor in Social Economy and Social Research.

The work of the Department of Education is intended for

graduate students only. No undergraduate students are permitted to take any graduate work in education although graduate students may if they so desire elect undergraduate courses in education and psychology and other subjects. The courses are planned for graduate students who wish to study education for one, two, and three years on the principle that about one-half of the student's time will be given to purely educational courses and the remaining half to courses in the subjects in which she is preparing herself to teach. The degree of Master of Arts in Education is open to graduates of Bryn Mawr College only. Graduates of other colleges receive diplomas certifying to the work that they have taken in the Graduate Department of Education. The degree of Doctor of Philosophy in Education is open to graduates of all colleges of high standing under the general conditions prescribed for the degree of Doctor of Philosophy.

*The Phebe Anna Thorne Model School.*

The Phebe Anna Thorne School opened in the autumn of 1913 under the direction of the Bryn Mawr College Graduate Department of Education. It is maintained by an endowment of one hundred and fifty thousand dollars given by the executors of the estate of the late Phebe Anna Thorne to perpetuate her deep interest in school education and her desire to further research in the best methods of teaching school subjects. The Phebe Anna Thorne School is an integral part of the Graduate Department of Education and affords its students an opportunity to follow the work of the expert teachers of the model school and discuss in seminars conducted by the professors of education the various problems of teaching and administration as they arise from day to day. Pupils are admitted at ten years of age and will be fitted to enter Bryn Mawr and other colleges on the completion of a seven years' school course based on the soundest available theory and practice of teaching to be found in this country or abroad. Wherever a new method of teaching a subject is known to have succeeded it will be studied and introduced into the model school and the results on the pupils of different methods of teaching the same subjects will be tested and compared. It is believed that the opportunity

thus afforded of studying the newest approved methods of secondary teaching will enable teachers who have studied in the Graduate Department of Education to teach more efficiently and to command materially higher salaries.

#### FREE ELECTIVE COURSE.

#### **Free Elective Course.**

Introduction to Education, Dr. Castro. *Two hours a week throughout the year*  
(Given in each year.)

The course discusses modern educational problems. It considers the historical background of these problems only in so far as it is essential to understanding present-day controversial issues. The course is intended not only for students who plan to teach but also for all those who are interested in a more general way in the educational situation of today. This course was given in 1916-17 by Miss Kellogg.

#### GRADUATE COURSES.

#### **Graduate Courses.**

In addition to two seminaries in education, and courses in the study of children and mental tests there are offered in each year observation classes in the Phebe Anna Thorne Model School and courses in systematic, applied, and experimental psychology recommended to students of education. The list of approved independent and associated minors for the degree of Doctor of Philosophy will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses, but the free elective course of the department amounting to two hours a week may be elected by graduate students.

Seminary in Principles and Methods of Education, Dr. Castro.

*Three hours a week throughout the year.*

(Given in each year.)

The principles of education and the methods which bear most directly on the selection and teaching of the school curriculum are the subject of the seminary. For members of the seminary who prove to be qualified there will be opportunities for practice in teaching individual children or small groups of Model School pupils who may require special instruction. Observation of classes in the Model School and elsewhere will be a part of the required work. The subjects selected vary from year to year.

In 1917-18 Child Study will form the central topic of the seminary. The study of the growth rhythms and mental development of the child from infancy through typical stages of physical, mental, and moral development will be the point of departure for the consideration of special problems in educational theory and practice.

Seminary in Essentials of Educational Theory and Practice for Social Workers, Dr. Castro.

*Two hours a week during the second semester.*

(Given in 1917-18 and in each succeeding year.)

The subjects studied in this course are selected so as to serve as an introduction to the educational principles involved in the intelligent direction of such activities as community centres, settlement classes, clubs, etc. Among the subjects studied will be the characteristic mental and physical development of childhood, adolescence, youth, and maturity.

This study will be used as a basis for the selection of the educational materials and methods appropriate to the needs and capacities of different groups of varying ages and differing educational opportunities.

### Seminary in Intelligence Tests and Educational Measurements.

*Two hours a week throughout the year.*

### Laboratory Work.

*Four hours a week throughout the year.*

*(Given in 1917-18 and in each succeeding year.)*

This seminary will be conducted in 1917-18 by Professor Castro and an instructor in the department of education. It will present a critical survey of the literature on the recent movement toward measurements and standardization in education and educational psychology. It will include experiments in the analysis of various types of teaching, a study of the relative value of mental tests, practice in applying and tabulating standard tests for measuring schoolroom work and grading intelligence.

In the laboratory work in the second semester the student will be able to take up some special subject in which she is interested.

### Seminary in Mental Tests, Dr. Rand.

*Two hours a week throughout the year.*

### Laboratory Work, Dr. Rand.

*Four hours a week throughout the year.*

*(Given in 1916-17.)*

This course combines seminary, laboratory drill, and research features. In the seminary work the history, development, and purpose of mental tests are treated, and a study made of the sensory and higher mental processes. The laboratory drill consists of training in the application of tests (including the Binet-Simon series), and practice in diagnosing mental ability, using as subjects children from schools in the vicinity of Bryn Mawr and Philadelphia. The research work consists of special problems in the devising and standardization of tests, and the formulation of methods designed to improve specific mental deficiencies. The course is open only to graduate students who have had training in experimental psychology, and counts as a seminary only for those students who take in addition the course in special laboratory problems.

### Special Laboratory Problems in Mental Tests, Dr. Rand.

*Four hours a week throughout the year.*

*(Given in 1916-17.)*

This course is offered in connection with the course in Mental Tests to students who wish to pursue advanced work.

### Observation Classes, Dr. Castro.

*Two hours a week throughout the year.*

*(Given in each year.)*

Five hours a week counting as a two hour lecture course are spent in the observation of teaching in the Phebe Anna Thorne School and in other schools.

### English Enunciation, Mr. King.

*One hour once a fortnight throughout the year.*

*(Given in each year.)*

### Journal Club in Education, Dr. Castro.

*Two hours once a fortnight throughout the year.*

The instructors and students meet to report on and discuss recent reviews and articles and the results of special investigations are presented for comment and criticism.



### Classical Archæology.

The instruction in this department is under the direction of Dr. Rhys Carpenter, Associate Professor of Classical Archæology and Dr. Mary Hamilton Swindler, Instructor in Latin and Archæology and Demonstrator in Classical Archæology.

An archæological seminary of two hours a week and a lecture course of one hour a week throughout the year are offered to graduate students who have done elementary archæological work, and also a journal club meeting one and a half hours a fortnight. In addition individual students will be directed in special work by means of private conferences.

The undergraduate work is divided into courses of three hours a week and two hours a week, affording a complete series of instruction in the various branches of classical archæology. It is recommended that those who elect archæology as a major subject should offer Greek Sculpture, Art and Life in Hellenistic Towns, and Ancient Rome, during their first year, reserving for their second year the courses on Ancient Architecture, Greek Vase-painting, and the Minor Arts.

All the undergraduate courses are fully illustrated with lantern-slides, and photographs are available for review and comparison.

#### FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

#### **Major Course.**

Greek Sculpture, Dr. Carpenter.

*Three hours a week throughout the year.*

A critical study of the rise, perfection, and ultimate developments of sculpture in Greece. The course is intended as a general introduction to the principles and appreciation of sculpture.

Art and Life in Hellenistic Towns, Dr. Carpenter.

*Two hours a week during the first semester.*

A reconstruction, from existing remains, of town and city life in the period between the death of Alexander the Great and the Roman domination.

Ancient Rome, Dr. Swindler.

*Two hours a week during the second semester.*

The course deals with the art and material civilization of Rome through Republican and Imperial times. It is intended both as an archæological background to Latin studies and as an introduction to Roman art, especially sculpture and painting. The course includes a study of Etruscan art and its influence on early Rome.

This course supplements that on Art and Life in Hellenistic Towns given in the first semester.

## SECOND YEAR.

*(Minor Course.)**(Given in each year.)*Ancient Architecture, Dr. Carpenter. *Three hours a week throughout the year.*

An introductory outline of Egyptian, Cretan, and Mycenaean building is followed by a detailed study of the principles and practice of architecture in Greece and Rome. The course ends with a brief survey of Byzantine, Renaissance, and present-day classical styles. Emphasis is laid on architectural evolution and its connection with the civilization of the times.

## Greek and Roman Minor Arts, Dr. Carpenter.

*Two hours a week during the second semester.*

The course treats of Greek and Roman bronze statuettes, terra-cotta figurines, coins, gems, jewelry, silver-ware, and similar objects, mainly for their artistic and cultural interest. The first six lectures deal with Cretan and Mycenaean art. This course supplements that on Greek vase-painting given in the first semester.

## Ancient Painting and Vases, Dr. Swindler.

*Two hours a week during the first semester.*

The course traces the development of ancient painting. It further forms an introduction to the mythology and daily life of Greece, through the study of designs on Greek vases.

## GRADUATE COURSES.

A seminary in archæology, a graduate course, and a journal club in archæology are offered to graduate students in addition to the undergraduate courses which are open also to graduate students. A good reading knowledge of both French and German is indispensable, and familiarity with both Greek and Latin, though not required, is of the utmost value for graduate work in archæology.

Students electing classical archæology as a major subject for the degree of Doctor of Philosophy must have taken the major undergraduate course in Greek and the minor undergraduate course in Latin or courses equivalent to these. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Carpenter conducts in each year the following graduate seminary:

## Archæological Seminary.

*Two hours a week throughout the year.*

This course is open only to graduate students who have had some previous training in classical archæology. The order of the subjects may be changed in accordance with the needs of the students.

In 1916-17 Greek minor arts (coins, gems, terra-cotta) are studied.

In 1917-18 Greek architecture will be studied in the first semester, and Roman architecture in the second semester.

In 1918-19 fifth century Greek sculpture will be the subject of the seminary in the first semester, and fifth century Greek vases in the second semester.

Ægæan Archæology with emphasis on the recent discoveries in Crete,  
Dr. Swindler.

*One hour a week during the first semester.*

Ancient Painting, Dr. Swindler.

*One hour a week during the second semester.*

The work includes a detailed survey of Cretan frescoes, painted plaques, stela and sarcophagi, Greek vases of the Polygnotan era, paintings found in Etruscan tombs, Pompeian wall decoration, and the mummy portraits from the Fayûm.

Archaeological Journal Club, Dr. Carpenter and Dr. Swindler.

*One and a half hours a fortnight throughout the year.*

The graduate students and the instructors meet for the presentation and discussion of topics of current archaeological literature.

## History of Art.

The instruction in this department is under the direction of Miss Georgiana Goddard King, Professor of the History of Art, and Miss Helen Huss Parkhurst, Reader and Demonstrator in the History of Art.

A seminary of two hours a week and a journal club of one hour a week are offered to graduate students who have done elementary work in history of art. In addition individual students will be directed in special work by means of private conferences.

The undergraduate work is divided into courses of three hours a week and two hours a week on painting, sculpture and architecture.

All the courses are illustrated with lantern slides, and photographs are available for review and comparison.

### FIRST YEAR.

*(Minor Course.)*

*(Given in each year.)*

### **Major Course.**

Italian Painting of the Renaissance from the Middle of the Thirteenth to the Middle of the Sixteenth Century, Miss King.

*Three hours a week throughout the year.*

*(May be taken as a free elective.)*

In the first semester the Italian Primitives are studied, chiefly in the schools of Florence, Siena, and Umbria; in the second semester the painters of the High Renaissance, with special attention to those of Venice and the north of Italy. The course is illustrated with photographs and lantern slides.

Gothic Architecture, Miss King.

*Two hours a week throughout the year.*

*(May be taken as a free elective.)*

The first semester is devoted to Romanesque and pointed architecture in Italy and Germany, with special attention to the introduction of Gothic into Italy by the Cistercians, and the second semester to the development of Gothic in France and Spain with parallels from English ecclesiastical architecture. The course is illustrated with photographs and lantern slides.

## SECOND YEAR.

*(Given in each year.)*

Painting in the Seventeenth and Eighteenth Centuries, Miss Parkhurst.

*Three hours a week throughout the year.*

(May be taken as a free elective.)

In the first semester the Dutch, German, and Flemish painters are studied, in the second semester the French, Spanish, and English. The course is illustrated with photographs and lantern slides.

Renaissance Sculpture, Miss King.

*Two hours a week throughout the year.*

(May be taken as a free elective.)

The first semester is devoted to the sculpture of the Italian Renaissance, the second chiefly to Northern art, and in especial to figure sculpture in France from the building of the Cathedrals to the close of the Renaissance. The great sculptors of Germany and Spain will be studied carefully in conclusion. The course is illustrated with photographs and lantern slides.

## FREE ELECTIVE COURSES.

Modern Painting, Miss King.

*Three hours a week throughout the year.**(Given in 1916-17.)***Free  
Elective  
Courses.**

This course is an elective open only to students who have completed at least five hours for one year in the history of art, or an equivalent course. It deals with the history of painting since 1830 and comes down to the present year. Students are expected to make trips to Philadelphia and the neighbourhood to study pictures, as often as may seem necessary.

Elementary Æsthetics, Miss Parkhurst.

*Two hours a week throughout the year.**(Given in 1917-18.)*

The course is designed to cover the field of general æsthetic theory. It consists mainly of a study of the psychology of the æsthetic experience and of the formal principles illustrated in the various arts.

## POST-MAJOR COURSE.

Spanish Painting.

*Three hours a week throughout the year.**(Given in 1917-18.)***Post-  
Major  
Course.**

This course is open only to students who have completed the minor and major work in history of art, or an equivalent course. The sources and development of Spanish painting will be considered from the early miniature painters down to living painters. Students will be expected to learn something about Spanish history and characters and to make short trips to see paintings on exhibition in the United States.

## GRADUATE COURSES.

Two hours a week of seminary work are offered each year to graduate students of history of art accompanied by the direction of private reading and original research, and the courses are varied from year to year so that they may be pursued by students through three or more successive years. In addition to the graduate seminary announced, other courses will be provided as need for them arises, and individual students will be directed in special work by means of private conferences. History of Art may be

**Graduate  
Courses.**



offered as a minor for the degree of Doctor of Philosophy. A list of major subjects with which it may be offered will be found in the Regulations of the Academic Council. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the minor and major courses of the department amounting to ten hours a week may be elected by graduate students.

#### Seminary in Modern Painting, Miss King.

*Two hours a week throughout the year.*

In addition to working with books and photographs the students will be required to make short day-trips to study pictures.

In 1916-17 the subject of the seminary is the Spanish Primitives.

In 1917-18 the subject will be Modern Art from the commencement of the romantic movement to the contemporary theories. Students are expected to be familiar already with the Old Masters, and to read French and German. Arrangements will be made for trips to Philadelphia and New York to study new pictures.

In 1918-19 the subject will be the Theory and Practice of Connoisseurship. The Morellian method will be examined and appraised, the value of documentary evidence discussed and the different conditions affecting the study of different schools considered. Students will have access to a large collection of photographs and several private collections of paintings.

#### Journal Club in Modern Painting, Miss King and Miss Parkhurst.

*Two hours once a fortnight throughout the year.*

### Mathematics.

The instruction in this department is under the direction of Dr. Charlotte Angas Scott, Professor of Mathematics, and Dr. Olive C. Hazlett, Associate in Mathematics.

The instruction offered in mathematics covers twenty-three and a half hours of lectures and recitations a week, in addition to the time devoted to the seminary work in the graduate department; it includes ten hours a week of undergraduate minor and major work, five hours a week of free elective work, four hours a week of post-major work open only to graduates and to undergraduates who have completed the major course in mathematics, and four and a half hours a week of graduate work.

In the major course the students are able to gain a fair knowledge of the principal subjects belonging to the department of pure mathematics. The points of contact of mathematics with other branches of mental and physical science are indicated as far as possible throughout the course, special attention being paid to the nature of mathematical reasoning, and to the true

relation and mutual dependence of mathematics and physics. The course of lectures on the history of mathematics in the second year is intended to give an outline of the development of the subject from its beginning to 1700 A. D.

The two hours course in trigonometry included in the first semester of the minor course in mathematics may be taken separately as a free elective or may be counted as a part of the year of mathematics which may be taken as an alternative for the second year of required science. It is required for admission to the major course in physics. An examination for advanced standing may be taken by those who do not wish to attend the course and yet wish to elect the minor course in mathematics or the major course in physics.

**Preparatory Course.**

#### FIRST YEAR.

(Minor Course.)

##### 1st Semester.

(Given in each year.)

Analytical Conics, Dr. Scott.

Three hours a week.

Trigonometry, including Series, Dr. Scott.

Two hours a week.

The course in trigonometry may be taken separately as a free elective. The course in analytical conics may be taken separately by those students only who have passed the examination for advanced standing in trigonometry.

##### 2nd Semester.

Elementary Differential and Integral Calculus, Dr. Hazlett.

Three hours a week.

Algebra and Theory of Equations, Dr. Hazlett.

Two hours a week.

The three hour and two hour courses in this semester may not be elected separately.

#### SECOND YEAR.

##### 1st Semester.

(Given in each year.)

Differential and Integral Calculus and Differential Equations, Dr. Hazlett.

Three hours a week.

Theory of Equations, Determinants, Dr. Hazlett.

Two hours a week.

##### 2nd Semester.

Curve Tracing, History of Mathematics, Dr. Scott.

Three hours a week.

Analytical Geometry of two and three Dimensions, Dr. Scott.

Two hours a week.

The three hour and two hour courses in each semester may not be elected separately.

*Group:* Mathematics with Greek, or with Latin, or with Philosophy, or with Psychology, or with Philosophy and Psychology, or with Physics, or with Chemistry, or with Geology, or with Biology.

## FREE ELECTIVE COURSES.

**Free  
Elective  
Courses.**

## Fundamental Theorems of Algebra and Geometry, Dr. Scott.

*One hour a week throughout the year**(Given in 1916-17 and again in 1918-19.)*

Certain standard problems of historical interest are considered in order to elucidate some of the fundamental principles of mathematics. Either semester may be taken separately. No knowledge of mathematics beyond the requirements for matriculation is presupposed. It is hoped that the work will prove useful not only to students electing mathematics as a major, but also to those intending to teach elementary mathematics. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

## Graphic Mathematics, Dr. Scott.

*One hour a week throughout the year.**(Given in 1917-18.)*

The course deals with statistical work, standard graphs and interpolation. It is recommended to students of economics as well as to students of physics. No knowledge of mathematics beyond the requirements for matriculation is presupposed. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

## Mathematics Preparatory to Science.

*Two hours a week throughout the year.**(Given in each year when the time of the department permits.)*

This course deals chiefly with parts of the differential and integral calculus, trigonometry, analytical geometry, and differential equations. Some problems in probability are also considered. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

## Descriptive Astronomy, Dr. Hazlett.

*Two hours a week throughout the year.**(Given in each year.)*

The subject is treated from an elementary point of view. Such mathematics as seems desirable is developed in the lectures. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

## POST-MAJOR COURSES.

**Post-  
Major  
Courses.**

The post-major courses in mathematics are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to mathematical studies differs in different colleges, graduate students frequently find it advisable to elect some of these courses. Regular written work is expected from all mathematical students, and a reading knowledge of French and German is presupposed.

The post-major courses in any one year amount to four hours a week. The courses given are the following, with occasional modifications.

I. (a.) Lectures introductory to Modern Analytical Geometry, in connection with Salmon's *Conic Sections* and Scott's *Modern Analytical Geometry*.

or I. (b.) Lectures on Modern Pure Geometry.

or I. (c.) Lectures on Special Topics in Geometry, such as Homogeneous Coordinates, Circular Coordinates, Families of Curves, certain Transcendental Curves, Geometrical Transformations, etc.

Special permission to take the course I (c) before completing the two years of the major course may be granted to students whose work in the major course has shown that they are able to profit by the lectures.

II. (a.) Lectures Introductory to Modern Algebra, in connection with Salmon's *Modern Higher Algebra*, and Elliott's *Algebra of Quantics*.

or II. (b.) Lectures preparatory to the Theory of Functions, in connection with Harkness and Morley's *Introduction to the Theory of Analytic Functions* and Chrystal's *Algebra*, Vol. II.

or II. (c.) Lectures on Differential Equations, ordinary and partial.

or II. (d.) A general course in Analysis, dealing with the higher development of subjects only touched upon in the major course, such as Determinants, Fourier's Series, Infinite Series, Definite Integrals, etc.

or II. (e.) Elementary Theory of Numbers.

In 1916-17 the following post-major courses are offered:

- |                       |  |
|-----------------------|--|
| I. (b.) Dr. Scott.    | <i>Two hours a week throughout the year</i>  |
| II. (d.) Dr. Hazlett. | <i>Two hours a week throughout the year.</i> |

In 1917-18 the following post-major courses are offered:

- |                       |  |
|-----------------------|--|
| I. (b.) Dr. Scott.    | <i>Two hours a week throughout the year</i>  |
| II. (c.) Dr. Hazlett. | <i>Two hours a week throughout the year.</i> |

#### GRADUATE COURSES.

Four and a half hours a week of seminary work and graduate lectures are offered each year to graduate students of mathematics accompanied by the direction of private reading and original research. The courses vary from year to year so that they may be pursued by candidates for the degree of Doctor of Philosophy for three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to four hours a week may be elected by graduate students. Students who elect mathematics as a major subject for the degree of Doctor of Philosophy are required to elect mathematics also as an associated minor. The list of approved independent minors will be found in the Regulations of the Academic Council.

**Graduate  
Courses.**

Differential Geometry of Curves and Surfaces, Dr. Scott.

*Two hours a week throughout the year.*

(Given in 1916-17.)

In this course the lectures to some extent follow the arrangement of Eisenhart's treatise but with constant reference to other presentations of standard investigations, the corre-



sponding important work of Darboux is specially emphasised and it is expected that during the second semester the memoirs of Gauss will be read. The whole subject is of much importance in present day mathematics.

### General Course in Higher Plane Curves, Dr. Scott.

*Two hours a week throughout the year.*

*(Given in 1917-18.)*

During the first semester the lectures will deal with general properties of plane algebraic curves, chiefly from the analytical standpoint, but partly from the topological. The second semester will probably be devoted to the topology of plane algebraic curves.

### Geometry on a Curve and Linear Systems of Curves, Dr. Scott.

*Two hours a week throughout the year.*

*(Given in 1918-19.)*

The intention is to follow the Italian treatment of the subject rather than the German; but the course will be arranged so that the most important part of the Clebsch-Lindemann exposition may profitably be read in connection with the lectures.

### Formal Algebra, Dr. Hazlett.

*Two hours a week throughout the year.*

*(Given in 1916-17.)*

The course deals with the formal properties of algebra, and develops the theory of determinants, matrices, polynomials, invariants, elementary divisors, etc., without confining the treatment to any one particular type of algebra.

### Theory of Algebraic Numbers, Dr. Hazlett.

*Two hours a week throughout the year.*

*(Given in 1917-18.)*

A short account of rational integers is given; afterwards the subject of integers in a general algebraic realm is taken up, special attention being given to quadratic realms.

### Differential Equations, Dr. Hazlett.

*Two hours a week throughout the year.*

*(Given in 1918-19.)*

It is intended that the course deal with the more important phases of the modern theories of analytic differential equations.

### Mathematical Journal Club, Dr. Scott and Dr. Hazlett.

*One hour a fortnight throughout the year.*

The journal club holds fortnightly meetings at which reports on special topics or memoirs are presented by the instructors and the graduate students.

## SCIENCE.

### Physics, Chemistry, Geology, Biology.

Professors and instructors: Dr. Florence Bascom, Dr. William B. Huff, Dr. David Hilt Tennent, Dr. James Barnes, Dr. Thomas Clachar Brown, Dr. Roger Frederic Brunel, Dr. James Llewellyn Crenshaw, Dr. Edward Carroll Day, Miss Mary Edith Pinney, Miss Edith Hamilton Lanman, and Miss Sue Avis Blake.

In January, 1893, the Trustees opened Dalton Hall, a large

building, containing ample laboratories, lecture-rooms, research-rooms, special libraries, and professors' rooms for the work of the scientific departments. The chemical, geological, biological, and physical laboratories and the laboratory for experimental psychology are open for students from nine to six daily.

The attention of graduates of medical colleges and of undergraduate and graduate students intending to take the degree of Doctor of Medicine is called to the facilities offered by the laboratories, and to the resolutions of the Trustees of the Johns Hopkins University in regard to the admission of students to the Medical School of that University, which opened in the autumn of 1893, and has from the first admitted women on the same terms as men. The courses of Bryn Mawr College in physics, chemistry, and biology correspond to those of the Johns Hopkins University,\* and it is easy for a student to elect

\* REQUIREMENTS FOR ADMISSION TO THE MEDICAL DEPARTMENT OF THE JOHNS HOPKINS UNIVERSITY.

"As candidates for the degree of Doctor of Medicine the school receives:

1. Those who have satisfactorily completed the Chemical-Biological Course which leads to the A.B. degree in this University. (Group V.)

2. Graduates of approved Colleges or Scientific Schools who can furnish evidence: (a) That they have acquaintance with Latin and a reading knowledge of French and German; (b) That they have such knowledge of biology, chemistry, and physics as may be obtained by a year's course in these subjects when accompanied by laboratory work.†

3. Those who give evidence by examination that they possess the general education implied by a degree in arts or in science from an approved college or scientific school and the knowledge of French, German, Latin, Physics, Chemistry, and Biology above indicated."

† BIOLOGY.—In addition to the usual class work, the instruction must include a year's laboratory course of six hours or more a week upon the structure, functions and life-histories of selected types of animal and plant life. Courses in botany or zoology will be accepted provided the laboratory work has been adequate. It is desirable that the course should include laboratory instruction in embryology.

CHEMISTRY.—The minimum requirement is a one year course, including five hours of laboratory work a week throughout the year, covering the outlines of inorganic chemistry and the elements of organic chemistry, somewhat as presented in Remsen's "Introduction to the Study of Chemistry." Students will be required to present evidence that in addition to these requirements they have had an elementary course in organic chemistry, including at least 25 to 30 lectures and 90 to 100 hours of laboratory work.

PHYSICS.—A collegiate course for at least one year is required. This must include four hours a week of class-room work and at least three hours a week of *quantitative* work in the laboratory. Special attention should be given to theoretical mechanics and to mechanical and electrical experiments.

LATIN.—The student should have studied Latin grammar and should possess at least such knowledge of the language as may be acquired by reading four books of Cæsar or their equivalent.

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Similar requirements are made for admission to the Medical College of Cornell University. The Woman's Medical College of Pennsylvania admits students of Bryn Mawr College

a course corresponding exactly to the Preliminary Medical Course of the Johns Hopkins University. Students planning to begin the study of medicine should elect physics for one year and biology and chemistry for two years.

### Physics.

The instruction in this department is under the direction of Dr. William B. Huff, Professor of Physics, Dr. James Barnes, Associate Professor and Professor (elect) of Physics, and Miss Sue Avis Blake, Demonstrator in Physics. The instruction offered in physics covers eighteen hours of lectures a week; it includes ten hours a week of undergraduate minor and major work, one or two hours a week of free elective work, three hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in physics; and four hours a week of graduate lectures and seminary work.

The first year of the major course deals principally with the development of physical facts and is accordingly mainly experimental and descriptive in its nature. A wide range of physical phenomena and the elements of physical theories are treated. The course is planned to cover the whole subject from this point of view so as to give those who do not intend to pursue physics further, such a knowledge of its principles as will enable them to follow its recent development and applications, and also to provide those electing physics as a group with a good foundation for more advanced work. No knowledge of physics is presupposed. In the second year the course is intended to serve as an introduction to the theories to which experimental evidence has led. The treatment is accordingly more mathematical than in the first year, but the experimental side of the subject is still emphasised. A knowledge of trigonometry is required, and some familiarity with the methods of the calculus will be of assistance.

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who have pursued the chemical-biological course that leads to the A.B. or the Ph.D. degree to advanced standing in the corresponding branches of the college curriculum on presentation of evidence of work equivalent to that done in the Medical School and on passing the required examinations in these branches. The Woman's Medical College presented to Bryn Mawr College in 1910 a scholarship to be awarded to a graduate of the college giving free tuition and renewable for the four years of the college course.



## FIRST YEAR.

(Minor Course.)

## 1st Semester.

(Given in each year.)

Mechanics, Heat, Sound, and Properties of Matter, Dr. Huff.

Three hours a week.

Laboratory Work, Dr. Huff and Miss Blake.

Six hours a week.

**Major Course.**

## 2nd Semester.

Electricity, Magnetism, and Light, Dr. Barnes.

Three hours a week.

Laboratory Work, Dr. Barnes and Miss Blake.

Six hours a week.

The instruction in this course is given by means of lectures, daily oral quizzes, occasional written quizzes, regular problem papers, and required private reading. Students are expected to use, in connection with the lectures, text-books on the special part of the subject under discussion; at present Reed and Guthe's *College Physics* is used for reference; also the text-books of Ames and Glazebrook. The lectures are illustrated throughout by means of the lantern, by demonstrations on the lecture table, and by the exhibition of apparatus, etc.

In the laboratory, the students are first instructed in the methods of accurate measurement of the simple quantities, length, time, and mass; later, they make a series of determinations, mainly quantitative, on the part of the subject under discussion in the lecture room at the time. Ames and Bliss's *Manual of Experiments in Physics* is found useful as a reference work for part of this course. A system of laboratory lectures has also been developed to supplement the class-room work, to point out sources of error and their treatment, to demonstrate methods of manipulation, and, in general, to give directions for working which are applicable to the class as a whole; they are given at the beginning of each week's laboratory work. The object of the work is to familiarise the students with the instruments and methods used in physical measurements, with special reference to the quantitative laws upon which the science is based. The laboratory is equipped with this object in view, and the apparatus is all of the most modern design.

## SECOND YEAR.

## 1st Semester.

(Given in each year.)

Theoretical Mechanics, Theory of Light, Dr. Barnes.

Three hours a week.

Laboratory Work, Dr. Barnes and Miss Blake.

Six hours a week.

## 2nd Semester.

Theory of Heat, Theory of Electricity and Magnetism, Dr. Huff.

Three hours a week.

Laboratory Work, Dr. Huff and Miss Blake.

Six hours a week.

The instruction is given by lectures, supplemented by the discussion of weekly problem papers; the text-books mentioned below indicate the character of the ground covered, and form the basis of the lectures. Private reading and outside preparation will take at least three and a half hours a week, and the course counts as a five-hour lecture course. An endeavour is made to bring the students into contact with the work of original investigators.

The general text-book used is Watson, *Physics*; the books used in special subjects are as follows: heat: Maxwell, *Theory of Heat*, Preston, *Theory of Heat*; dynamics: selections from Tait and Steele's *Dynamics of a Particle*, Jeans's *Theoretical Mechanics*; and special lectures dealing with the applications of dynamics to physical problems; electricity and magnetism: J. J. Thomson, *Elements of the Mathematical Theory of Electricity and Magnetism*; optics, physical and geometrical: Preston, *Theory of Light*, Edser, *Light*.

The laboratory work of the second year is designed to follow and illustrate the subject-



matter of the lectures. The student is taught the use of accurate instruments and the methods of physical investigation. A special study is made of the sources and amounts of the errors involved in the different operations, and the problems assigned are adapted as far as possible to the requirements and wishes of the individual students.

*Group: Physics with Philosophy, or with Mathematics, or with Chemistry, or with Geology, or with Biology.*

#### FREE ELECTIVE COURSES.

#### *Free Elective Courses.*

Physical Basis of Music, Dr. Huff.

*One hour a week throughout the year.*

*(Given in 1916-17 and again in 1917-18.)*

In the lectures of this course it is planned to present some of the physical principles illustrated in the construction of musical instruments and underlying the general theory of music. Private reading is assigned.

Historical Development of Physics, Dr. Huff.

*One hour a week throughout the year.*

*(Given in 1918-19.)*

The work of this course consists of lectures, required reading, and class-room discussions. The lectures give an elementary presentation of some of the more important ideas and results of physics. The reading is intended to supplement the lectures and to provide additional material for general discussion. The course is open to students who have had a minor course in science or its equivalent.

#### POST-MAJOR COURSES.

#### *Post- Major Courses.*

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. A knowledge of differential and integral calculus is required. These lectures deal not only with the theoretical development of the subject, but great stress is laid on the important experimental work which has been done in it, and methods and results are criticised and opportunities for further investigation pointed out. The object of the courses is to prepare students to undertake independent work. The laboratory work is planned with this object in view and is arranged to meet the special needs of each individual student. Graduate students may be permitted to take the lectures without the laboratory work. In addition to the laboratory work which accompanies the lectures a student may take extra laboratory work sufficient to make the courses equivalent to five hours a week.

Electricity and Magnetism, Dr. Huff. *Three hours a week throughout the year.*

*(Given in 1917-18.)*

The lectures of this course treat typical mathematical and experimental problems chosen from the various parts of the entire subject. A large number of problems on potential and attraction are assigned.

Properties of Matter, Dr. Huff. *Three hours a week during the first semester.*

*(Given in 1919-20.)*

The lectures cover the general subject of the properties of matter studied from the point of view of the Molecular Theory. The different theories of matter are discussed and an account of recent investigations concerning the relations of matter and electricity is given. Poynting and Thomson's *Properties of Matter* is read in connection with the course.

**Theory of Sound, Dr. Huff.**

*Three hours a week during the second semester.*

*(Given in 1919-20.)*

The lectures form an introduction to the theory of modes of vibration of pipes, strings, and rods. The theory of music and of musical instruments is then studied. Poynting and Thomson's *Sound* is used during the earlier part of the course, and frequent references are made to Helmholtz and Rayleigh.

**General Optics, Dr. Barnes.**

*Three hours a week throughout the year.*

*(Given in 1916-17.)*

These lectures give a general discussion of the theories advanced to explain many phenomena in light. Students are required to have a good knowledge of elementary optics and to be sufficiently familiar with optical apparatus to undertake a detailed study of some special problem.

**Spectroscopy, Dr. Barnes.**

*Three hours a week during the first semester.*

*(Given in 1918-19.)*

The course begins with a complete discussion of the apparatus used in this subject; the results of past and present investigations are then considered, and problems for investigation are pointed out. The many important applications of spectroscopy to astronomy are not neglected. The standard book of reference is Kayser's *Handbuch der Spectroscopie*. Detailed reports of laboratory investigations are required.

**Astrophysics, Dr. Barnes.**

*Three hours a week during the second semester.*

*(Given in 1918-19.)*

This course consists of lectures on the application of physical principles and methods to the study of the composition, structure, and motions of the heavenly bodies. Selected chapters in Moulton's *Celestial Mechanics* and many papers from the *Astrophysical Journal* will be read and discussed.

GRADUATE COURSES.

The graduate courses consist of lectures, laboratory work, and original research under the direction of the instructors, the lecture courses varying from year to year so that they may be pursued by students through consecutive years. A good working library containing the current and bound numbers of all the important physical journals is kept in the laboratory. Students electing physics as their major subject for the degree of Doctor of Philosophy may elect it also as the associated minor, provided either mathematics or applied mathematics is taken as the independent minor; or mathematics or applied mathematics may be taken as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

**Mathematical Theory of Electricity and Magnetism, Dr. Huff.**

*Three hours a week throughout the year.*

*(Given in 1916-17.)*

The lectures are based on Maxwell's standard work, and include a general account of the later development of the theory.

**Graduate Courses.**

**Thermo-dynamics and Radiation, Dr. Barnes.***Three hours a week throughout the year**(Given in 1917-18.)*

The modern developments of thermo-dynamics and radiation including X-rays and photo-electricity are considered. Attention is paid to the application of the laws of thermodynamics in physical chemistry.

**Radioactivity and Discharge of Electricity through Gases, Dr. Huff.***Three hours a week during the first semester**(Given in 1918-19.)*

The earlier lectures treat of the effect of fields on the path of a moving charged particle. A discussion of typical experimental methods of measuring velocity and the ratio of charge to the mass follows. After a study of the phenomena of electrical discharge and of radioactivity a brief account of theories is given.

**Electron Theory, Dr. Huff.***Three hours a week during the second semester.**(Given in 1918-19.)*

The mathematical development of the subject is presented in the lectures, with special reference to experimental tests of theory.

**Physical Optics, Dr. Barnes.***Three hours a week throughout the year.**(Given in 1919-20.)*

This course gives a general mathematical discussion of physical optics. Students are expected to give detailed reports on the methods and results of investigations which illustrate the theory. When it seems desirable two and a half hours of experimental work will be substituted for one hour of the lecture course.

**Physical Journal Club, Dr. Huff and Dr. Barnes.***One hour a week throughout the year.*

The advanced students meet with the instructors once a week to hear or read papers on assigned topics in physics.

**Laboratory Work, Dr. Huff and Dr. Barnes.**

The laboratory work is arranged for the purpose of familiarising the student with the methods of research; the student begins by repeating methods and investigations of well-known experimenters, with any modifications that may be suggested, passing on to points of investigation left untouched by previous experimenters, and finally to the study of new methods and the prosecution of original research. Students taking physics as their chief subject for the degree of Doctor of Philosophy are expected to spend all the time possible in the laboratory. In the basement there is a constant-temperature vault designed for accurate comparison of lengths, etc., and the laboratory is provided with special rooms for magnetic, optical, and electrical work. A well-equipped shop and trained mechanics make it possible to have special forms of apparatus constructed which are needed in research work.

**Chemistry.**

The instruction in this department is under the direction of Dr. Roger Frederic Brunel, Associate Professor and Professor (elect) of Chemistry, Dr. James Llewellyn Crenshaw, Associate in Physical Chemistry, and Miss Edith Hamilton Lanman, Demonstrator in Chemistry. The instruction offered



in chemistry covers twenty-one hours of lectures a week; it includes ten hours a week of undergraduate major and minor work, five hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in chemistry, and six hours a week of graduate work.

The first year's work, or minor course, is a general introduction to the subject. Lectures are given in inorganic chemistry, and qualitative analysis.

In the second year particular attention is paid to the quantitative side of chemical phenomena. The lectures are on theoretical and organic chemistry.

The post-major courses are intended to prepare students for independent work, particular attention being paid to laboratory methods.

#### FIRST YEAR.

(*Minor Course.*)

*1st Semester.*

(*Given in each year.*)

Introduction to General Chemistry, Dr. Brunel.

*Three hours a week.*

Laboratory Work, Dr. Brunel and Miss Lanman.

*Six hours a week.*

**Major  
Course.**

The course does not presuppose any knowledge of chemistry. In the class-room the nature of chemical action is taught by lectures that are illustrated by a series of experiments in which the more important substances are made and transformed, the time being spent largely on the non-metals. Throughout the semester the lectures and the laboratory work are complementary. After all the experiments on a given subject have been carried out the results are discussed in the class-room.

*2nd Semester.*

The Chemistry of the Metals, Dr. Crenshaw.

*Three hours a week.*

Laboratory Work, Dr. Crenshaw and Miss Lanman.

*Six hours a week.*

This course deals with the properties of the more important metallic elements and their compounds. The methods of separation employed in the laboratory are discussed, and the fundamental principles upon which these methods of separation are based are emphasised. The lectures are supplemented by required private reading.

The laboratory work consists of qualitative analyses. The students are first taught to identify the basic and acidic constituents in solutions; later they are required to carry out analyses of alloys and minerals.

#### SECOND YEAR.

*1st Semester.*

(*Given in each year.*)

Lectures on Elementary Physical Chemistry, Dr. Crenshaw.

*Three hours a week.*

In this course chemical facts are considered from the point of view of common and exact relations and from these relations the laws and theories of chemistry are developed. Special attention is paid to the atomic theory, the laws of gases, the theory of solutions and simple equilibria. Private reading and outside preparation amounting to at least three and a half hours a week is required.



**Laboratory Work, Dr. Crenshaw.***Six hours a week.*

The laboratory work consists of quantitative analyses. Each exercise is important in itself and illustrates some principle or involves some manipulation of general application in analytical work.

**2nd Semester.****Organic Chemistry, Dr. Brunel.***Three hours a week.*

The methods of preparation and the behaviour of the various classes of organic compounds are studied. Particular emphasis is laid on the relation between the arrangement of atoms within the molecule and the behaviour of the compounds, and on the processes of reasoning by which the constitution of organic compounds is established.

**Laboratory Work, Dr. Brunel and Miss Lanman.***Seven hours a week.*

The laboratory work is devoted to organic preparations. Simple representatives of the more important classes of organic compounds are first prepared and their typical reactions studied. After a familiarity with the methods of dealing with organic substances has been gained, syntheses of a few of the more complex organic compounds are carried out.

*Group:* Chemistry with Mathematics, or with Physics, or with <sub>2</sub>Geology, or with Biology.

## POST-MAJOR COURSES.

**Post-Major Courses.**

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

**Organic Chemistry, Dr. Brunel.***Two hours a week throughout the year.**(Given in each year.)*

The course consists of lectures, assigned reading with occasional reports, and laboratory work. It is intended to broaden the student's acquaintance with the subject and to serve as an introduction to the study of present day chemical problems.

At least four hours of laboratory work a week will be required, three hours' credit being given for the course. The laboratory work will consist of the preparation of compounds, organic analysis, and study of the methods for determining the constitution of organic compounds.

**Physical Chemistry, Dr. Crenshaw.***Two hours a week throughout the year.**(Given in each year.)*

The aim of the lectures is to extend the student's knowledge of theoretical and physical chemistry and to lay a foundation for independent work in this subject. The lectures are intended to give a general outline of the subject, the following topics being discussed: fundamental theories of chemistry; the periodic classification; the corpuscular theory of matter; the laws of gases, liquids and solids; osmotic pressure and dilute solutions; colloidal solutions; thermochemistry; homogeneous and heterogeneous equilibria; chemical kinetics; electrochemistry; actinochemistry, and radiochemistry. The solution of a large number of problems will be required.

The laboratory work amounting to four and a half hours a week is designed to prepare the students for physico-chemical research.

**Inorganic Chemistry, Dr. Crenshaw.***One hour a week throughout the year.**(Given in each year.)*

Selected topics in inorganic chemistry are discussed in detail, and parallel reading is required. In the laboratory work of four and a half hour a week advanced quantitative analyses are included.

## GRADUATE COURSES.

The advanced courses in chemistry consist of lectures upon inorganic, organic, and physical chemistry, seminary work, reports upon current chemical literature, and laboratory exercises. In the laboratory work the students are required to become familiar with the literature bearing upon the subjects they are studying, and it is therefore necessary for them to have a reading knowledge of French and German.

**Graduate Courses.**

The lecture courses are varied from year to year to meet the requirements of students and to form a consecutive course for those who wish to make chemistry the major subject in the examination for the degree of Doctor of Philosophy. Such students may specialise either in organic chemistry under the direction of Dr. Brunel, or in physical or inorganic chemistry under the direction of Dr. Crenshaw, but students who elect organic chemistry as the major subject of examination must take physical chemistry as the associated minor, and students who elect physical chemistry as the major subject, must take organic chemistry as the associated minor.

No undergraduates are admitted to graduate courses.

Chemical Seminary, Organic Chemistry, Dr. Brunel.

*One hour a week throughout the year.*

*(Given in each year.)*

This is intended primarily for students who are carrying on research in organic chemistry, and consists of reports on assigned topics which are usually related to the research in which the student is engaged.

Chemical Seminary, Inorganic Chemistry, Dr. Crenshaw.

*One hour a week throughout the year.*

*(Given in each year.)*

The course consists of lectures, required reading, and reports on various topics. The needs of the individual students are considered in selecting the subjects for discussion.

Physical Chemistry, Dr. Crenshaw.

*Two hours a week throughout the year.*

*(Given in each year.)*

In the lectures no attempt is made to give a general survey of the subject but certain selected portions of the science are treated in detail and the student is made familiar with problems of current interest. Students counting this course as the equivalent of a seminary will be required to do enough laboratory work to make the work of the course occupy fourteen hours a week. The laboratory work will consist of physico-chemical research.

Advanced Organic Chemistry, Dr. Brunel.

*One hour a week throughout the year.*

*(Given in each year.)*

Lectures, reading, and occasional reports cover the historical developments and present status of subjects of current interest. In the year 1917-18 the topics taken up will be the Carbohydrates and the Alkaloids.

Students counting this course as the equivalent of a seminary will be required to do enough laboratory work, to make the work of the course occupy fourteen hours a week. The nature of this work depends so largely on the past training of the student that no definite statement can be made regarding it. A sufficiently advanced student may be assigned a problem to investigate.

Chemical Journal Club, Dr. Brunel, Dr. Crenshaw, and Miss Lanman.

*One hour a week throughout the year.*

The advanced students and the instructors meet to hear reports and discuss recent scientific articles.

## Geology.

The instruction in this department is under the direction of Dr. Florence Bascom, Professor of Geology, and Dr. Thomas Clachar Brown, Associate in Geology.

The instruction offered in geology covers twenty hours of lectures a week; it includes the equivalent of ten hours a week of undergraduate major and minor work, two free elective courses of one hour a week, four post-major courses of two and three hours a week open only to graduates and to undergraduates that have completed the major course in geology, and two graduate seminars of three hours a week but all these courses will not be given in the same year.

The purpose of the major course in geology is to make clear to the student the present constitution, form, and evolution of the earth's crust, and to give some insight into the nature of geological problems. The first year of the major course is arranged to give a general survey of two divisions of the science and at the same time to introduce the student to the larger field of geology. It may be taken as a free elective or as a year of required science or as the first year of the group course in geology.

The second year of the major course deals with the rocks and minerals, and with their arrangement in the earth's crust.

Post-major courses in petrography, mineralogy, and paleontology are offered in each year, and are designed to train the student in petrographic methods for the exact determination of rock species and rock families and in the principles of invertebrate and vertebrate paleontology. They are an essential preliminary to research work in the science.

Excellent illustrative material for the graduate and undergraduate courses is furnished by the geological and paleontol-



ological collections of the college, including the Theodore D. Rand rock and mineral collection, which alone contains over 20,000 specimens, by the private collections of the instructors, and by material lent by the United States Geological Survey. The department is also fortunate in its proximity to the museum of the Academy of Natural Sciences of Philadelphia. Within easy reach of the college are good collecting fields for fossil, mineral, and rock specimens.

## FIRST YEAR.

(Minor Course.)

## 1st Semester.

(Given in each year.)

Physiography, Dr. Bascom.

Three hours a week.

Field Work and Laboratory Work, Dr. Bascom.

Six hours a week.

**Major  
Course.**

The lectures deal primarily with the character and action of the forces which control the landscape and with the features produced by these forces; subordinately physiographic regions are discussed. The lectures are illustrated by photographs, lantern slides, geographic relief models, and maps.

In the laboratory the student is occupied with a study of the development of physiographic forms. This is conducted with the use of Davis' *Atlas for Practical Exercises in Physical Geography* assisted by models, photographs, topographic maps, and natural illustrations.

For the field work, excursions are made into the immediate neighbourhood on Mondays from 2 to 4 p. m. during the autumn and spring. On all excursions instruction in field geology is given, areal mapping is accomplished, and reports of the areas covered are required of the students. Reading amounting to three hours will be required of students absent from a field trip. During the winter months laboratory work replaces the field excursions.

## 2nd Semester.

Introduction to Historical Geology, Dr. T. C. Brown. Three hours a week.

Field Work and Laboratory Work, Dr. T. C. Brown. Six hours a week.

The lectures deal with the evolution of continents and of life, and with the distribution and character of the various rock formations. Special attention is given to the development of life and to the theory of evolution.

In the laboratory the student becomes familiar with the typical flora and fauna of the successive geologic formations and with the development of the more important classes. The field work involves excursions to fossiliferous localities in the Paleozoic formations of Pennsylvania, and to the Mesozoic and Cenozoic formations of New Jersey. During the winter months and when the weather is unsuitable laboratory work is substituted for the field work.

## SECOND YEAR.

## 1st Semester.

(Given in each year.)

Megascopic Petrology, Dr. T. C. Brown.

Three hours a week.

Field Work and Laboratory Work, Dr. T. C. Brown.

Six hours a week.

The lectures discuss the materials which constitute the earth's crust; the principal rock-forming minerals and others of special economic importance are first described; the



important rock types, sedimentary, igneous, and metamorphic are described and their relations shown. The course closes with a discussion of the phenomena and principles of vulcanism and seismology. The lectures are illustrated by mineral and rock specimens, photographs, lantern slides, and wooden models. Private reading and outside preparation amounting to at least three and a half hours a week are required.

In the laboratory the students become familiar with methods for the rapid determination of the most common and most important rock forming and ore minerals; this is followed by a systematic study of the principal rock types.

Field excursions are made to mineral localities in the vicinity of the college.

## 2nd Semester.

Glaciology and Structural Geology, Dr. Bascom.

*Three hours a week.*

Field Work and Laboratory Work, Dr. Bascom.

*Six hours a week.*

The lectures treat of the evidences, conditions, work, and causes of the glacial period, the development of man; the causes and effects of earth movements; hypotheses of the origin and of the age of the earth. The course is illustrated with models, photographs, and lantern slides. Private reading and outside preparation amounting to at least three and a half hours a week are required.

In the laboratory topographic maps and models illustrating features due to glaciation and geologic folios, maps, and models illustrating geologic structures are studied. Practice is given in topographic mapping from models, in modeling from topographic maps, and in drawing structure sections.

The field work of the first semester is continued and training in topographic mapping may also be given.

*Group: Geology with Mathematics, or with Physics, or with Chemistry, or with Biology.*

## FREE ELECTIVE COURSES.

### **Free Elective Courses.**

Cosmogony, Dr. Bascom.

*One hour a week throughout the year.*

*(Given in 1916-17 and in 1918-19 if the time of the department permits.)*

The work of the course is conducted by means of lectures, required reading, and classroom discussion. The lectures treat of the origin of the earth, the growth of the continents and the development of landscape, and are illustrated by lantern slides. The reading is intended to supplement the lectures and to furnish further material for discussion. The course is intended to give a survey of the more important results reached by geological research.

Meteorology, Dr. T. C. Brown.

*One hour a week throughout the year.*

*(Given in 1916-17 and again in 1918-19.)*

This course will consist of a series of lectures, supplemented by required reading, on the general field of meteorology and the phenomena with which this science deals. The discussions will deal with the atmosphere, atmospheric temperatures and pressures; winds, dew, frost, clouds, rain, and snow; cyclonic storms, local storms, causes and distribution of rainfall; weather maps and weather predictions.

Evolution of the Vertebrates, Dr. T. C. Brown.

*One hour a week throughout the year.*

*(Given in 1917-18 and again in 1919-20.)*

This course consists of lectures illustrated by charts, diagrams, lantern slides and photographs. It gives a comprehensive outline of the evolution of the vertebrates from the earliest appearance of representatives of this group to the present time. This vertebrate

phylum not only contains the highest types of animal life but is the only phylum which has gone through the whole of its evolution since the beginning of geological history as recorded in the fossil-bearing rocks. The course will consider first those primitive types which perhaps represent ancestral vertebrate forms and then will consider in the order of their appearance the five great classes of Fishes, Batrachians, Reptiles, Birds, and Mammals. The rise and development of the mammals will be followed in considerable detail, and an attempt will be made to show the relation between the types which were developed and their environment including the geographic, physiographic, and climatic factors as well as the surrounding animal and plant life.

#### POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

#### **Post-Major Courses.**

Petrography, Dr. Bascom.

*Three hours a week throughout the year.*

*(Given in 1917-18 and again in 1919-20.)*

During the first semester the lectures deal with the principles of optical crystallography, the optical means of mineral determination, and the petrographic characters of rock-forming minerals. In the second semester the textures, constitution, origin, geographic distribution, and geologic associations of igneous rocks are treated. Practice is given in the quantitative system of classification. Special field problems may be given to the students for independent solution.

Determinative Mineralogy, Dr. Bascom.

*Two hours a week throughout the year.*

*(Given in 1916-17 and again in 1918-19.)*

In this course lectures and laboratory practice deal with the determination of minerals by means of physical tests and by blow-pipe analysis. Special emphasis will be placed on crystal forms and practice will be given in the use of the two-circle contact goniometer.

The course will be given if elected by a sufficient number of students.

Vertebrate Paleontology, Dr. T. C. Brown.

*Two hours a week throughout the year.*

*(Given in 1917-18 and again in 1919-20.)*

A systematic study is made of the vertebrate remains which have been found as fossils. Since the vertebrate organisms represent the highest phase of development to which the animal kingdom has attained, a study of their past history is of prime importance in elucidating some of the most fundamental principles in the evolution of life. The course will be given if elected by a sufficient number of students.

Invertebrate Paleontology, Dr. T. C. Brown.

*Three hours a week throughout the year.*

*(Given in 1916-17 and again in 1918-19.)*

The course presupposes a knowledge of historical geology. During the first semester a systematic study is made of the various classes of invertebrate animals which are found in a fossil state. Special attention is given to the relations of these classes to each other, and any bearing that this may have on the theory of evolution is pointed out. Those classes which are of practical value to the stratigraphic geologist in determining the geologic age of formations are dwelt upon at considerable length. Excursions are made to neighbouring fossiliferous localities to collect fossils and to observe their occurrence in the rocks. The student has access, not only to the representative paleontological collection of Bryn

Mawr College, but also to the large collections of the several academies and institutions in Philadelphia.

The work of the second semester is designed to make the students familiar with methods of applying a knowledge of invertebrate paleontology to the problems of geology. It will treat in detail each of the successive faunas or assemblages of animal life which have developed since the opening of the Cambrian period. An attempt will be made to show that each fauna was a direct response to the environment which surrounded it, and the probable geologic, physiographic, and climatic factors of this environment will be discussed.

#### GRADUATE COURSES.

#### **Graduate Courses.**

The graduate courses in petrology and crystallography should be preceded by the major and post-major courses or their equivalents and are intended primarily for graduate students wishing to make inorganic geology a major subject for the degree of Doctor of Philosophy. The graduate course in crystallography is also intended to meet the needs of graduate students in chemistry who wish to make crystallography a minor subject for the degree of Doctor of Philosophy. The graduate courses in stratigraphic geology and paleontology and paleogeography are designed primarily for graduate students wishing to make organic geology a major subject for the degree of Doctor of Philosophy; they may also be taken by graduate students in biology who wish to make paleontology a minor subject for the degree of Doctor of Philosophy. Further graduate courses in petrology and paleontology will be arranged to suit the requirements of candidates for the degree of Doctor of Philosophy and research problems will be assigned.

Students may specialise either in petrology and crystallography, under the direction of Dr. Bascom, or in stratigraphic geology and paleontology, under the direction of Dr. T. C. Brown, but students who make inorganic geology the major subject of examination must take either organic geology, inorganic chemistry or crystallography, as the associated minor, and students who elect organic geology as the major subject, must take either inorganic geology or biology as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to the graduate courses.

#### Seminary in Petrology and Crystallography, Dr. Bascom.

*Three hours a week throughout the year.*

*(Given in each year.)*

This seminary is conducted by means of informal discussions, required reading, laboratory work, and formal reports. The selection of subjects in petrology is dependent upon the needs of the individual students. In crystallography direction is given in crystal measurement with the two-circle goniometer, in crystal projection, and crystal drawing. The seminary involves as much laboratory work as the time of the student permits.

#### Seminary in Stratigraphic Geology and Paleontology, Dr. T. C. Brown.

*Three hours a week throughout the year.*

*(Given in each year.)*

The nature of the work in this seminary is determined by the needs of the students. The work consists of consultations, required readings, formal reports, and laboratory



work. Students specialising in stratigraphic geology devote their attention to the principles of stratigraphy and the stratigraphic succession in North America. For those who specialise in paleontology the work consists of a detailed study of the modern methods of paleontologic research and of the succession of fossil faunas.

Geological Journal Club, Dr. Bascom and Dr. T. C. Brown.

*One hour a week throughout the year.*

The graduate students and the instructors meet for the presentation and discussion of recent geological literature.

## Biology.

The instruction in this department is under the direction of Dr. David Hilt Tennent, Professor of Biology, Dr. Edward Carroll Day, Lecturer in Physiology, and Miss Mary Edith Pinney, Demonstrator in Biology. The instruction offered in biology covers twenty-three hours of lectures a week; it includes the equivalent of ten hours a week of undergraduate minor and major work; one hour a week of free elective work; six hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in biology, and six hours a week of graduate lectures and seminary work. The post-major work may be further extended by special laboratory courses.

The work of the first year, or minor course, forms a general introduction to the subject through a broad, comparative study of living things (general biology). In the second year the foundation of a minuter knowledge of animal morphology and physiology is laid. The third year's work, or post-major course, is devoted to the study of more advanced subjects and the practical investigation of simple problems. A knowledge of the elements of chemistry and physics is very desirable for students entering any course in biology, and is necessary for advanced work in the subject.

### FIRST YEAR.

*(Minor Course.)*

#### 1st Semester.

*(Given in each year.)*

Lectures on General Biology, Dr. Tennent.

*Three hours a week.*

Laboratory Work, Dr. Tennent and Miss Pinney.

*Six hours a week.*

**Major  
Course.**

#### 2nd Semester.

Lectures on General Biology, Dr. Tennent and Dr. Day.

*Three hours a week.*



The first nine weeks of the semester are devoted to the morphology and physiology of vertebrates. The lectures on embryology of vertebrates follow, and are given three hours a week throughout the remainder of the semester.

Laboratory Work, Dr. Tennent, Dr. Day and Miss Pinney.

*Six hours a week.*

It is the object of this course to give the student clear conceptions of the fundamental principles of morphology and physiology and of the relations of the biological sciences to one another and to other branches of science. The laboratory practice is designed to enable the student, as far as possible, to examine for herself the facts discussed in the lectures, to encourage the habit of exact observation, and to impart a knowledge of methods of practical work.

The general subject is treated in two courses which supplement each other and must be taken together. The course in the first semester deals especially with the lower forms of life, the relations of plants and animals, and the more general principles of the sciences. The course in the second semester is devoted more largely to the higher forms of animal life, with special reference to physiology.

The work is designed not simply to teach the elements of zoology and botany, as commonly understood, but in addition to this to treat plants and animals with constant reference to one another, both in their structure and in their mode of action. Stress is therefore laid on the essential facts of comparative morphology and physiology (general biology) as illustrated by the thorough study of a few types, rather than on the minutiae of classification. At the same time the work is arranged with reference to subsequent special work in zoology, botany, and physiology.

In the first semester the student studies a number of animals and plants, so arranged as to form a natural progressive introduction to the general principles of biology. The student makes a detailed examination of unicellular organisms, and from these proceeds gradually to the complex conditions of structure and function found in higher plants and animals. In the second semester attention is given mainly to the biology of the higher animals. The course ends with a study of the embryology of the frog and, in greater detail, that of the chick.

## SECOND YEAR.

### *1st Semester.*

*(Given in each year.)*

General Physiology, Dr. Day.

*Three hours a week.*

Laboratory Work, Dr. Day and Miss Pinney.

*Six hours a week.*

The instruction in general physiology consists of a systematic course of lectures upon the properties of living matter supplemented by experiments in the laboratory, and frequent oral or written quizzes.

In the laboratory the student becomes acquainted with the reactions of simple protoplasm and methods of analysis of such reactions, and performs a number of fundamental physiological experiments using vertebrates and invertebrates as material. The aim of the laboratory work is to develop the power of accurate observation and description, having in view the solution of problems rather than merely checking preconceived notions.

To this end all experiments are carefully written up and handed in with the graphic record, if any, for criticism, after which they are returned for correction. Any serious errors are discussed personally with the student. Matriculation physics and chemistry are strongly recommended as preparation for this course.

### *2nd Semester.*

General Zoology, Dr. Tennent and Dr. Day.

*Three hours a week.*

The course in general zoology extends the work of the first year so as to include a survey of the phenomena of animal life, the first nine weeks being devoted to a consideration of the morphology of the invertebrates and the remainder of the semester to a study of the physiology of type forms. Part of the course is devoted to a critical analysis of the

theory of evolution and discussions of the broader philosophical problems of biology such as heredity, variation, adaptation, and kindred topics. These lectures vary somewhat from year to year, and are intended to be suggestive rather than exhaustive in character.

Laboratory Work, Dr. Tennent, Dr. Day, and Miss Pinney.

*Six hours a week.*

*Group: Biology with Psychology, or with Mathematics, or with Physics, or with Chemistry, or with Geology.*

#### FREE ELECTIVE COURSE.

Theoretical Biology, Dr. Tennent.

*One hour a week throughout the year.*

*(Given in each year.)*

This is an historical course dealing with the development of the theories of biology. The course is open to students who have had one year's training in science. A considerable amount of assigned reading is required.

**Free  
Elective  
Course.**

#### POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

**Post-  
Major  
Courses.**

Embryology of Vertebrates, Dr. Tennent.

*One hour a week throughout the year.*

*(Given in 1916-17 and again in 1918-19.)*

This course consists of lectures, assigned reading, and laboratory work on the embryology of vertebrates. The lectures deal with the development of specific forms and with theoretical questions of embryological interest. The department has material for the study of the development of Amphioxus, Ascidian, Amia, Lepidosteus, Squalus, Ctenolabrus, Necturus, Rana, Chrysemys, Chick, and Pig. At least four hours of laboratory work will be required.

The course is divided as follows: First semester, Early stages of development. Second semester, Organogeny.

Protoplasm, the Cell, and Cytological Technique, Dr. Tennent.

*One hour a week during the first semester.*

*(Given in 1917-18 and again in 1919-20.)*

This course consists of a study of the structure of protoplasm, the structure of the cell, the phenomena of cell division, maturation and fertilization. Both plant and animal cells are studied, and instruction is given in methods of preparing cytological material for microscopical examination. This course is to be taken with four hours laboratory as a two hour course.

Experimental Morphology, Dr. Tennent.

*One hour a week during the second semester.*

*(Given in 1917-18 and again in 1919-20.)*

The object of this course is to give a general historical view of experimental morphology of both plants and animals, to discuss some of the methods employed, to point out the results already obtained, and to indicate the nature of the work now being done in the subject. The topics discussed are: regeneration in Protozoa and Metazoa, behaviour of lower

organisms, experiments on the fertilised and unfertilised egg, Mendel's experiments in hybridisation, and De Vries *Oenothera* mutants. This course is to be taken with four hours laboratory as a two hour course.

### Physiology of the Central Nervous System, Dr. Day.

*Three hours a week throughout the year.*

*(Given in 1916-17.)*

This course consists of lectures, assigned reading, and laboratory work. The lectures and reading deal with the functions of the nervous system from the comparative standpoint. A specific problem is taken up and studied by physiological and neurological methods. Four hours of laboratory a week are required.

### Physiology of the Sense Organs, Dr. Day.

*One hour a week throughout the year.*

*(Given in 1916-17.)*

A comparative course on the sense organs of invertebrates and vertebrates. Laboratory work and required reading amount to one and a half hour a week.

### Biochemistry.\*

*Three hours a week throughout the year.*

*(Given in each year.)*

This course consists of lectures, assigned reading and laboratory work. At least four hours a week of laboratory work are required. The laboratory work includes a study of the properties and reactions of proteins; fats and carbohydrates; of the methods of preparation and modes of action of enzymes, of the physical and chemical properties of milk, blood, and urine; and the properties of the colloids. A preliminary training in chemistry at least equivalent to that obtained in the minor course is required.

### Recent Advances in Biochemistry.\*

*One hour a week throughout the year.*

*(Given in 1917-18 and again in 1918-19.)*

This course consists of lectures, and reports on assigned reading, dealing with the biochemistry of enzymes, secretion, fertilisation, and development. The laboratory work and required reading together amount to one and a half hours a week.

### Comparative Physiology of the Central Nervous System.\*

*One hour a week throughout the year.*

*(Given in 1917-18 and again in 1918-19.)*

The function of the nervous system in invertebrates with reference to instincts and tropisms. In addition to the lectures demonstration experiments are given, and from time to time the students are asked to report on recent articles. The laboratory work and reading together amount to one and a half hours a week.

### GRADUATE COURSES.

#### **Graduate Courses.**

Six hours a week of seminary work and graduate lectures are offered each year to graduate students of biology accompanied by the direction of private reading, laboratory work and original research. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to six hours a week may be elected by graduate students. The advanced courses are varied from year to year, so as to form a consecutive course for students that wish to make biology one of the chief subjects of the examination for the degree of Doctor of

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\* Offered by an instructor whose appointment will be announced later.



Philosophy. Such students may specialise either in animal morphology under the guidance of Dr. Tennent, or in physiology or biochemistry under the guidance of the instructor in physiology.

#### Seminary in Zoology, Dr. Tennent.

*Three hours a week throughout the year.*

In 1916-17 Genetics is the subject of the seminary. The work includes a discussion of biometrical methods and results; of investigations on "pure lines"; of the effectiveness of selection; of the relation between chromosomes and heredity; of various theories of heredity and of the application of these ideas in animal and plant breeding.

In 1917-18 Cytology will be the subject of the seminary. The work will deal with the anatomy of the cell and the relations and functions of its various structures in unicellular and multicellular organisms.

Special attention is given to the phenomena of spermatogenesis and oögenesis and the theories connected therewith.

In 1918-19 Embryology of Invertebrates will be the subject of the seminary. The work includes a systematic survey of the normal development of invertebrates; of the problems of germinal organization, cleavage and differentiation, and a discussion of the bearing of these questions on evolution and inheritance.

#### Seminary in Physiology, Dr. Day.

*Two hours a week throughout the year.*

*(Given in each year.)*

In 1916-17 Problems in the Chemistry of the Enzymes are treated. The work consists of reports by the students, and discussion of recent problems in the subject.

In 1917-18 Internal Secretions will be the subject of the seminary.

In 1918-19 selected problems dealing with the gastro-intestinal tract will be considered. The order of subjects may be varied to meet the needs of the students.

#### Biological Journal Club, Dr. Tennent and Dr. Day.

*One hour a week throughout the year.*

The advanced students and the instructors meet for the presentation and discussion of topics of current biological literature.

#### Laboratory Work, Dr. Tennent and Dr. Day.

There is no regular course of laboratory instruction for graduates. Each student desiring to devote a considerable portion of her time to such work is given an experimental problem for verification or extension. The nature of the work depends in each case on the qualifications of the student.

### Department of Health and Hygiene.

The health of the students is under the care of a Health Committee consisting of the President of the College, the Dean of the College, the Director of Athletics and Gymnastics, and the Physicians of the College.

Every undergraduate student and hearer must be examined each year by the Assistant Physician of the College, and twice each year by the Director of Athletics and Gymnastics with reference to physical development, strength of heart and lungs, and general health. The eyes of students are examined by the Examining Oculist of the College during the first semester



after entering the college and again during the first semester of the junior year. Students who cannot furnish evidence of successful vaccination within a period of two years are vaccinated by the college physicians.

Eminent specialists practising in Philadelphia whose names may be found in the list of academic appointments have consented to serve as consulting physicians of the college. The Associate Physician will be in her college office during the hours from four to half past five of every afternoon except Sunday and may be consulted by the students without charge.

All students who are not under the special care of the attending physicians on account of illness are under the immediate care of the Director of Athletics and Gymnastics. She receives the reports of students on the special supervision list, keeps careful records of the health of all students and endeavours by lectures, interviews, personal advice, exercise, and general hygiene to maintain and improve the health of the students. A course of six lectures on personal and community hygiene is given each year which freshmen are required to attend.

The infirmary fee of \$10.00 paid by every resident student entitles her to be cared for in the infirmary for five days (not necessarily consecutive) during the year without paying extra fees for nurses or for attendance by the college physicians, and also to the services of the nurses employed by the college during other temporary illness, provided one of the regular nurses is free at the time. In the case of an illness of more than five days' duration and also of all diseases of an infectious character the student must meet, or in case of two or more students with the same infectious disease share, the expense of a special nurse, the infirmary fees, and also hospital or sanitarium charges for board and residence should she be removed from the college by order of the Physician in Chief. During the five days specified above the attendance fees of the college physicians are paid by the college. All further fees must be paid by the student.

A special nurse for one student costs \$5.30 per day (nurse's fee \$4.00, board \$1.00, laundry .30) or \$34.10 per week (nurse's fee \$25.00 per week, board \$7.00, laundry \$2.10). In the case of infectious diseases the special nurse costs \$6.30 a day (nurse's fee \$5.00 per day) or \$39.10 per week (nurse's fee \$30 per week). The infirmary fee is \$3.00 per day. It is often

possible for two or three students to be nursed by one extra nurse at the same time, thus reducing the fee for nursing. When a student has not an infectious disease the infirmary fee of \$3.00 per day will include the nurse's fee provided it is possible for one of the college nurses to care for the student. The attendance fees of the college physician are \$2.00 per visit. The fees of the consulting physicians and surgeons and other specialists recommended by the college will be furnished on request.

All communications concerning the health of the students from parents and guardians, outside physicians, and others should be addressed to the Dean of the College, who will also excuse students for absence on account of illness before and after vacations and from attendance on academic work.

### **Athletics and Gymnastics.**

The exercise of the students is under the care of Miss Constance M. K. Applebee, Director of Athletics and Gymnastics, and Miss Helen Reed Kirk, Assistant to the Director of Athletics and Gymnastics.

The gymnasium (see page 156) is open for the use of students from 7 A. M. to 10 P. M. daily. Three periods of exercise a week are required of all resident and non-resident undergraduate students and hearers throughout the year. From December first till April first attendance twice a week in the gymnasium is compulsory for all resident and non-resident undergraduate students and hearers. Students may take part during the year in the following forms of exercise which are organised by the Athletic Association under the supervision of the Director: in the autumn, tennis and hockey; in the winter, water polo, swimming meet, fencing, and indoor track athletics; in the spring, basketball, track, and tennis. All students are required to take six lessons in swimming each semester until able to satisfy the required test. No undergraduate student will be excused from the required exercise except by order of the Director of Athletics and Gymnastics. Special exercises are prescribed for students needing individual corrective work, and these are taken in addition to the regular class work. Every student while exercising in the gymnasium must wear a gymnasium suit of the regulation pattern.

### Opportunities for Public Worship.

In the vicinity of the college there are churches of almost all the various religious denominations. Coaches are provided by the college on Sundays to enable students to attend the churches in the neighbourhood.

Religious services are held in the college every Sunday evening by prominent clergymen of different denominations. A vesper service is held every Sunday afternoon and there is daily morning chapel. Attendance on all the religious exercises of the college is voluntary.

### COLLEGE BUILDINGS.

The college buildings are situated at Bryn Mawr, in the suburbs of Philadelphia, five miles west of the city, on the main line of the Pennsylvania Railroad. The site of the college is four hundred and twenty feet above sea level in the midst of a beautiful rolling country made accessible by good roads in every direction. The college grounds cover fifty-two acres, and include lawns, tennis-courts, and three large athletic fields.

Taylor Hall (named after the founder), a large building of Port Deposit stone, contains a general assembly room, eleven lecture-rooms, and the offices of administration.

The library, the gift of the friends, graduates, and students of the college, begun in April, 1903, was completed in February, 1907. It is built of gray stone in the Jacobean Gothic style of architecture of the period of 1630 and forms three sides of a closed quadrangle. The main building, devoted to the library proper, faces east and is opposite and parallel to Taylor Hall at a distance of about fifty yards; the principal entrances of the two buildings face each other and are connected by a broad cement path. The east front is one hundred and seventy-four feet long and contains a three-story stack with accommodation for 88,000 volumes, and above this a large reading-room with desks for one hundred and thirty-six readers, each desk screened to a height of two feet as in the British Museum reading-room to secure privacy to the reader. No books of reference are kept in the main reading-room. Beyond the reading-room on the south side are the newspaper and magazine rooms. On the north side are the Art and Archæological Seminaries, containing



collections of photographs, vases, and coins. The main building contains the Stack, the New Book Room, Reference Book Room, the Carola Woerishoffer Memorial Room, the Reserved Books Room, the Christian Association Library, one professor's office, and four cloak rooms. The wings of the building, running symmetrically about two hundred feet in length from the north and south ends of the main building, contain twelve seminary rooms and twenty-seven professors' offices. The books needed for graduate study and research are kept in the seminary rooms and graduate lectures are held in them. The seminaries are arranged as follows: Greek, Latin, English, Art, Archæology, German, French, Italian and Spanish, Semitic Languages, and Philosophy in the north wing; Mathematics, History, Economics and Psychology in the south wing, where are also offices for the librarians and cataloguers. The total book capacity of the library, including the seminary libraries and the books for general study which are kept in the stack, is 168,449 volumes. The building is absolutely fireproof. Professors' offices for the senior professors in each department adjoin the seminary rooms. There are also two seminary lecture-rooms accommodating about fifteen students, one general lecture-room accommodating forty-two students, and three interview rooms.

On the first floor of the south wing the department of experimental psychology has two large laboratories, one for general work and one for research. The basement of the north wing contains rooms for the Monograph Committee of the Faculty, the Alumnæ Association, and fireproof safe rooms for the records and archives of the college. The quadrangular court enclosed by the building is surrounded by cloisters and in the centre of the grass enclosure is a fountain, the gift of the class of 1901.

The library is open for students on week-days from 8 A. M. till 10 P. M. and on Sundays from 2 P. M. till 10 P. M. It is open for the faculty at all hours.

In January, 1893, the scientific departments of the college were transferred to Dalton Hall, a stone building erected by the trustees out of funds in large part contributed by the generosity of friends of the college. Dalton Hall is entirely occupied by the scientific departments, the special scientific libraries, and the



consultation-rooms of the professors of science. The first floor and the basement are reserved for physics, the second floor is reserved for biology, the third floor for chemistry, and the fourth and fifth floors for geology. In December, 1893, a greenhouse designed for the use of the botanical department was added to Dalton Hall as the gift of the *alumnæ* and students.

Around Taylor Hall the trustees have erected halls of residence for the accommodation of students. Plans and descriptions of the six halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall East, Pembroke Hall West, and Rockefeller Hall, the gift of Mr. John D. Rockefeller, and of the academic buildings, Taylor Hall, the Library, and Dalton Hall, are published in Part 4 of the Bryn Mawr College Calendar to be obtained from the Secretary of the College.

Music-rooms with sound-proof walls and ceilings are provided in Pembroke Hall East, and rooms where the students can have hairdressing and dressmaking done, and a club-room for non-resident students in Rockefeller Hall.

The new gymnasium, erected on the site of the first gymnasium and the gift of the Athletic Association, the *alumnæ* and thirteen neighbours of the college, was completed in February, 1909. It is open to the students from 8 A. M. till 10 P. M., daily, contains a large hall for gymnastic exercises, with a running or walking track for use in rainy weather; a room for the director and an adjoining room for the examination and record of the physical development of the students, a waiting-room, and cloak rooms. In the basement are dressing-rooms and shower-baths for use after exercise and a swimming-tank, seventy feet long, twenty feet wide, and from four to seven and a half feet deep, given in 1894 by the *alumnæ*, students, and friends of the college, and well supplied with apparatus for the teaching of swimming. The gymnasium is under the charge of a director and two assistants.

On the grounds, separated from other buildings, is the Class of 1905 infirmary opened in October, 1913, with accommodation for patients and nurses, doctors' offices and consultation rooms, diet kitchens, bathrooms, wards and private rooms, sun parlour, sun terrace, and two isolation wards.

The Phebe Anna Thorne Out-of-door Model School is situated on the campus and has its own out-of-door class room and athletic ground.

A central power-house, which was erected in 1902 as part of the gift of Mr. John D. Rockefeller, furnishes heat, electric light, and hot water for all the college buildings. Steam is conducted through tunnels underground to coils in the basement of each building. Air brought in from the outside is blown through the heaters by powerful fans and distributed to the various rooms, and the system is so adjusted as to change the air completely in every room once in every ten minutes throughout the day and night. The temperature is regulated by thermostats in the heating coils as well as in the individual rooms. The electric lights, including electric reading-lamps for each student, are installed in the most approved manner and the voltage is kept constant so that there is no fluctuation. A constant and abundant supply of hot water is laid on and maintained at a temperature of 180 degrees during all the twenty-four hours of the day, in all the bathrooms and stationary wash-stands and tea pantries.

The Bell Telephone Company, a branch of the American Telephone and Telegraph Company, maintains telephone pay stations in each of the halls of residence, in the library, and in the gymnasium, by means of which the students may be communicated with at any time. Near the college are a Postal Telegraph-Cable Company office (service 6 A. M. to 12 P. M.), an Adams Express office, a United States money-order office, and two banks. There are good roads in every direction. Horses for riding and driving may be kept at livery near the college at a cost of twenty-five dollars a month.

### The Libraries.

The fact that the college is situated in the suburbs of Philadelphia enables the student to make use of all the resources of the libraries of Philadelphia, as well as those of the college proper. *Libraries.*

The college library has been collected within the past thirty years, and is designed to be, as far as possible, a library for special study. There are at present on its shelves about seventy-five thousand bound volumes, and ten thousand disser-

tations and pamphlets, the collection including the classical library of the late Professor Sauppe, of Göttingen, which was presented to the college in 1894, and the Semitic library of the late Professor Amiaud, of Paris, acquired in 1892. A more detailed description of these two collections may be found on pages 56 and 91.

The sum of about seven thousand dollars is expended yearly for books under the direction of the heads of the several collegiate departments, and, in addition to many gifts of books, about twenty thousand dollars has been presented to the library during the past ten years for expenditure in special departments. Over four hundred publications and reviews in the English, German, Greek, French, Italian, Spanish, and Swedish languages, are taken by the library, as follows:

*General and Miscellaneous Periodicals.*

|  |   |
|--|---|
| Abhandlungen der Königlichen Bayerischen Akademie der Wissenschaften zu München. | Jahresverzeichniss der an den deutschen Schulanstalten erschienenen Abhandlungen. |
| *Amherst Graduates' Quarterly.   | *Johns Hopkins University, Circulars.   |
| Annales Politiques et Littéraires.   | Library Journal.  |
| Athenæum.  | Literary Digest.  |
| Atlantic Monthly.  | Masses.   |
| *Bibliothèque de la Faculté des Lettres de l'Université de Paris.                | †Memorial de la Librairie Française.  |
| Bookman.   | Mercure de France.  |
| Bookman (English).   | Mind and Body.  |
| *Book News Monthly.  | *Monthly Bulletin of the Carnegie Library of Pittsburgh.                          |
| Bookseller.  | Münchener allgemeine Zeitung.   |
| *Bryn Mawr Alumnae Quarterly.  | Nachrichten von der Königlichen Gesellschaft der Wissenschaften, Göttingen.       |
| Bulletin of Bibliography.  | Nation.   |
| *Bulletin of the New York Public Library.  | Nation (English).   |
| *Bulletin of the Pan-American Union.   | Neue Rundschau.   |
| Century.   | New Country Life.   |
| *Columbia University Quarterly.  | New Republic.   |
| Contemporary Review.   | New Statesman.  |
| Cumulative Book Index.   | New York Times Index.   |
| Deutsche Rundschau.  | Nineteenth Century.   |
| Dial.  | North American Review.  |
| Drama.   | Notes and Queries.  |
| Edinburgh Review.  | Nuova Antologia.  |
| English Review.  | Outlook.  |
| Fortnightly Review.  | *Pennsylvania Library Notes.  |
| Forum.   | Preussische Jahrbücher.   |
| Göttingische Gelehrte Anzeigen.  | Public Affairs Information Service.   |
| Harper's Monthly Magazine.   | Bulletin.   |
| Harvard Graduates' Magazine.   | Publishers' Weekly.   |
| L'Illustration.  | Punch.  |
| Independent.   |   |

\*Presented by the Publishers.



Quarterly Review.  
 Reader's Guide to Periodical Literature.  
 Review of Reviews.  
 Revue Critique d'Histoire et de Littérature.  
 Revue de Paris.  
 Revue des Deux Mondes.  
 Revue Politique et Littéraire; Revue Bleue.  
 Saturday Review.  
 Scientia.  
 Scribner's Magazine.  
 Sewanee Review.  
 Sitzungsberichte der Königlichen Bayerischen Akademie der Wissenschaften.

Sitzungsberichte der Königlichen Preussischen Akademie der Wissenschaften zu Berlin.  
 Spectator.  
 Der Türmer.  
 \*Tipyn o' Bob.  
 \*University of California, Publications.  
 \*University of Colorado, Studies.  
 \*University of Missouri, Studies.  
 \*University of Nebraska, Studies.  
 \*University of Nevada, Studies.  
 \*University of Texas, Studies.  
 \*University of Washington, Studies.  
 Die Woche.  
 World's Work.

### *Newspapers.*

\*College News, Bryn Mawr.  
 \*Home News, Bryn Mawr.  
 London Times.

New York Evening Post.  
 New York Times.  
 Philadelphia Public Ledger.

### *Art and Archæology.*

American Journal of Archæology.  
 Art and Archæology.  
 Art in America.  
 Boletín de la Sociedad Española de Excursiones.  
 British School at Athens, Annual.  
 \*Bulletin of the Metropolitan Museum of Art, New York.  
 Burlington Magazine.  
 Denkmäler der Malerei des Altertums.  
 Ephemeris Archæologike.  
 Jahrbuch des Kaiserlich deutschen archäologischen Instituts.  
 Jahreshefte des österreichischen archäologischen Instituts in Wien.  
 Journal of Hellenic Studies.

Journal international d'archéologie numismatique.  
 Mittheilungen und Nachrichten des Deutschen Palästina Vereins.  
 Mittheilungen des Kaiserlich deutschen archäologischen Instituts, Athenische Abteilung.  
 Mittheilungen des Kaiserlich deutschen archäologischen Instituts, Römische Abteilung.  
 \*Museum of Fine Arts Bulletin, Boston.  
 Notizie degli Scavi di Antichità.  
 Revue Archéologique.  
 Rivista d'arte.  
 Zeitschrift des Deutschen Palästina Vereins.

### *Economics and Politics.*

\*Advocate of Peace.  
 All Opinions of the U. S. Supreme Court.  
 \*American Association for International Conciliation, Publications.  
 American City.  
 American Economic Review.  
 \*American Economist.  
 American Federationist.  
 American Industries.  
 American Journal of International Law.  
 American Journal of Sociology.  
 American Labor Legislation Review.  
 American Political Science Review.  
 \*The Americas.

Annalist.  
 Annals of the American Academy of Political and Social Science.  
 Bibliographie der Sozialwissenschaften.  
 \*Blätter für zwischenstaatliche Organisation.  
 Bulletin of the International Labour Office.  
 \*Bulletin of the New York State Department of Labor.  
 \*Bulletin of the University of Wisconsin, Economics and Political Science Series.  
 Charity Organization Review.  
 Child Labor Bulletin.



- City Plan.  
 Columbia Law Review.  
 Columbia Studies in History, Economics  
 and Public Law.  
 \*Cooperative Consumer.  
 Economic Journal.  
 Great Britain, Quarterly List of Official  
 Publications.  
 Handbuch der öffentlichen Rechte.  
 Harvard Law Review.  
 \*Institution Quarterly.  
 International Socialist Review.  
 Jahrbücher für Nationalökonomie und  
 Statistik.  
 Johns Hopkins University Studies in  
 Historical and Political Science.  
 Journal of Criminal Law.  
 Journal of Heredity.  
 Journal of Political Economy.  
 Journal of the Royal Statistical Society.  
 Labor Gazette.  
 Municipal Research.  
 National Municipal Review.  
 Playground.  
 Political Science Quarterly.
- Proceedings of the Academy of Political  
 Science.  
 Proceedings of the National Conference of  
 Charities and Corrections.  
 Publications of the American Economic  
 Association.  
 Publications of the American Statistical  
 Association.  
 Quarterly Journal of Economics.  
 Revue Bibliographique.  
 \*Single Tax Review.  
 Social Hygiene.  
 \*Southern Workman.  
 Survey.  
 \*U. S. Bureau of Labor Statistics, Bulletin.  
 \*University of Illinois, Studies in Social  
 Sciences.  
 \*University of Missouri Studies, Social  
 Science Series.  
 \*University of Pennsylvania Publications,  
 Series in Political Economy and Pub-  
 lic Law.  
 Yale Review.  
 Zeitschrift für Volkswirtschaft, Social-  
 politik u. Verwaltung.

### Education.

- †Berichte der Dalcroze Schule.  
 Education.  
 Educational Review.  
 Educational Times.  
 Elementary School Journal.  
 English Journal.  
 History Teacher's Magazine.  
 Journal of Experimental Pedagogy.  
 \*Journal of the Association of Collegiate  
 Alumnae.  
 Lehrproben und Lehrgänge.  
 Manual Training Magazine.  
 National Education Association, Publica-  
 tions.  
 Pädagogische Studien.
- Pedagogical Seminary.  
 Revue Internationale de l'Enseignement  
 Supérieur.  
 Revue Universitaire.  
 School and Society.  
 School Journal.  
 School Review.  
 School Science and Mathematics.  
 Teachers' College Record.  
 \*U. S. Bureau of Education, Bulletin.  
 \*University of California Publications,  
 Education.  
 Zeitschrift für Pädagogische Psychologie.  
 Zeitschrift für Schulgesundheitspflege.

### History.

- American Historical Association, Reports.  
 American Historical Review.  
 \*Bulletin of the University of Wisconsin,  
 History Series.  
 English Historical Review.  
 Historical Manuscripts Commission, Re-  
 ports.  
 Historische Vierteljahrschrift.  
 Historische Zeitschrift.  
 \*Illinois State Historical Society Journal.  
 Jahresberichte der Geschichtswissenschaft.
- Klio, Beiträge zur alten Geschichte.  
 New York Times Current History of the  
 European War.  
 Révolution Française.  
 Revue des Études Napoléoniennes.  
 †Revue des Questions Historiques.  
 Revue Historique.  
 Royal Historical Society, Transactions.  
 Selden Society, Publications.  
 \*University of Pennsylvania Publications,  
 Series in History.

*Philology and Literature, Classical.*

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| <p>†Bulletin Bibliographique et Pédagogique du Musée Belge.<br/>         Classical Journal.<br/>         Classical Philology.<br/>         Classical Quarterly.<br/>         Classical Review.<br/>         Classical Weekly.<br/>         Commentationes Philologiae Jenenses.<br/>         Dissertationes Philologicae Halenses.<br/>         Harvard Studies in Classical Philology.<br/>         Hermes.<br/>         Jahresbericht über die Fortschritte der Klassischen Altertumswissenschaft.<br/>         Journal of Roman Studies.<br/>         †Le Musée Belge, Revue de Philologie Classique.</p> | <p>Mnemosyne.<br/>         Philologische Untersuchungen.<br/>         Philologus.<br/>         Quellen und Forschungen zur lateinischen Philologie.<br/>         †Revue de Philologie.<br/>         Revue des Études grecques.<br/>         Rheinisches Museum für Philologie.<br/>         Rivista di Filologia.<br/>         Sokrates.<br/>         Studi Italiani di Filologia Classica.<br/>         †Studi Storici per l'Antichità Classica.<br/>         Wiener Studien, Zeitschrift für klassische Philologie.<br/>         Wochenschrift für klassische Philologie.</p> |
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*Philology and Literature, General and Comparative.*

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| <p>American Journal of Philology.<br/>         Berliner philologische Wochenschrift.<br/>         †Eranos.<br/>         Indogermanische Forschungen.<br/>         Journal of English and Germanic Philology.<br/>         Journal of Philology.<br/>         Neue Jahrbücher für das klassische Altertum, Geschichte und deutsche Literatur.</p> | <p>Philological Society, London, Publications.<br/>         Transactions of the American Philological Association.<br/>         Zeitschrift für die österreichischen Gymnasien.<br/>         †Zeitschrift für vergleichende Sprachforschung.</p> |
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*Philology and Literature, Modern.*

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|--|---|
| <p>Acta Germanica.<br/>         Anglia.<br/>         Anglistische Forschungen.<br/>         †Annales Romantiques.<br/>         †Archiv für das Studium der neueren Sprachen.<br/>         †Archivio Glottologico Italiano.<br/>         Arkiv for Nordisk Filologi.<br/>         Beiblatt zur Anglia: Mitteilungen über englische Sprache und Litteratur.<br/>         Beiträge zur Geschichte der deutschen Sprache und Literatur.<br/>         Bibliographical Society of America, Publications.<br/>         Bibliographical Society of London, Transactions.<br/>         Bonner Studien zur englischen Philologie.<br/>         British Society of Franciscan Studies.<br/>         Bulletin hispanique.<br/>         Chaucer Society Publications (both series).<br/>         Deutsche Literaturzeitung.<br/>         Deutsche Texte des Mittelalters.<br/>         Dialect Notes.</p> | <p>Early English Text Society, Publications (both series).<br/>         Englische Studien.<br/>         Euphoriön.<br/>         Forschungen zur Neueren Literaturgeschichte.<br/>         German American Annals.<br/>         Germanisch-romanische Monatsschrift.<br/>         Giornale Dantesco.<br/>         Giornale Storico della Letteratura Italiana.<br/>         Goethe Jahrbuch.<br/>         Henry Bradshaw Society, Publications.<br/>         Jahrbuch der deutschen Shakespeare Gesellschaft.<br/>         Jahrbuch des Vereins für niederdeutsche Sprachforschung.<br/>         Jahresbericht über die Erscheinungen auf dem Gebiete der germanischen Philologie.<br/>         Kieler Studien zur englischen Philologie.<br/>         Korrespondenzblatt des Vereins für niederdeutsche Sprachforschung.<br/>         †Kritischer Jahresbericht über die Fortschritte der romanischen Philologie.</p> |
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† Suspended publication.

## The Library.

Literarische Echo.

Literarisches Centralblatt.

Literaturblatt für germanische und romanische Philologie.

†Le Maître phonétique.

Malone Society, Publications.

Materialen zur Kunde des älteren Englischen Dramas.

Modern Language Notes.

Modern Language Review.

Modern Philology.

Münchener Beiträge zur romanischen und englischen Philologie.

Palaestra.

Poet-lore.

Praeger deutsche Studien.

Publications of the Modern Language Association.

Quellen und Forschungen zur Sprach- und Kulturgeschichte der germanischen Völker.

Rassegna Bibliografica.

Revue Celtique.

Revue d'Histoire Littéraire de la France.

†Revue Germanique.

Revue Hispanique.

Romania.

Romanic Review.

Romanische Forschungen.

Schriften der Goethe Gesellschaft.

Scottish Text Society, Publications.

Société des Anciens Textes Français, Publications.

Société des Textes Français Modernes, Publications.

Studien zur englischen Philologie.

University of North Carolina. Studies in Philology.

Wiener Beiträge zur englischen Philologie.

Yale Studies in English.

Zeitschrift für den deutschen Unterricht.

Zeitschrift für deutsche Philologie.

Zeitschrift für deutsches Altertum und deutsche Litteratur.

Zeitschrift für deutsche Wortforschung.

Zeitschrift für französische Sprache und Litteratur.

†Zeitschrift für romanische Philologie.

*Philology and Literature, Semitic.*

American Journal of Semitic Languages and Literatures.

Babyloniaca.

Jewish Quarterly Review.

Proceedings of the Society of Biblical Archaeology.

†Recueil de Travaux relatifs à la Philologie et à l'Archéologie égyptiennes et assyriennes.

†Zeitschrift für ägyptische Sprache und Altertumskunde.

Zeitschrift für Assyriologie.

*Philosophy and Psychology.*

American Journal of Psychology.

Année psychologique.

Archiv für die gesammte Psychologie.

Archiv für Geschichte der Philosophie.

Archiv für systematische Philosophie.

Archives de Psychologie.

Archives of Psychology.

Behavior Monographs.

Berichte über den Kongress für experimentelle Psychologie.

British Journal of Psychology.

British Journal of Psychology: Monograph Supplements.

†Bulletin de l'Institut Psychologique.

Fortschritte der Psychologie.

Hibbert Journal.

International Journal of Ethics.

†Journal de Psychologie.

Journal für Psychologie und Neurologie.

Journal of Abnormal Psychology.

Journal of Animal Behaviour.

Journal of Educational Psychology.

Journal of Experimental Psychology.

Journal of Philosophy, Psychology and Scientific Methods.

Journal of Religious Psychology.

Logos.

Mind.

Monist.

Philosophical Magazine.

Philosophical Review.

Proceedings of the Aristotelian Society.

Psychological Bulletin.

Psychological Clinic.

Psychological Review.

Psychological Review; Monograph Supplements.

Psychological Review; Psychological Index.

Psychologische Arbeiten.

† Suspended publication.

Psychologische Studien.  
 Revue de Métaphysique.  
 †Revue de Psychothérapie.  
 Revue philosophique.  
 \*University of Toronto Studies, Psychology Series.

Vierteljahrsschrift für wissenschaftliche Philosophie u. Soziologie.  
 Zeitschrift für angewandte Psychologie.  
 Zeitschrift für Psychologie und Physiologie der Sinnesorgane: 1. Abt., Zeitschrift für Psychologie. 2. Abt., Zeitschrift für Sinnesphysiologie.

### *Religion.*

\*Alaskan Churchman.  
 American Friend.  
 American Journal of Theology.  
 Biblical World.  
 Expositor.  
 Expository Times.  
 Harvard Theological Review.  
 †Herald of Gospel Liberty.  
 †Indian's Friend.  
 †Intercollegian.  
 Journal of Biblical Literature.

Journal of Theological Studies.  
 Proceedings of the Society of Biblical Archaeology.  
 \*Publications of the American Jewish Historical Society.  
 Religious Education.  
 Revue biblique.  
 \*Spirit of Missions.  
 \*Student World.  
 \*Woman's Missionary Friend.  
 \*World Outlook.

### *Science, Biology.*

American Anthropologist.  
 American Journal of Anatomy.  
 American Journal of Physiology.  
 American Naturalist.  
 Anatomischer Anzeiger.  
 Archiv für Anatomie und Physiologie.  
 Archiv für die gesammte Physiologie.  
 Archiv für Entwicklungsmechanik der Organismen.  
 Archiv für mikroskopische Anatomie.  
 Bibliographia Physiologica.  
 Biological Bulletin.  
 Biologisches Centralblatt.  
 Biometrika.  
 Botanisches Centralblatt.  
 Centralblatt für Physiologie.  
 Eugenics Laboratory Memoirs.  
 Genetics.  
 \*Illinois Biological Monographs.  
 Jahrbücher für wissenschaftliche Botanik.  
 Journal de Physiologie.  
 Journal of Biological Chemistry.  
 Journal of Experimental Medicine.  
 Journal of Experimental Zoology.

Journal of Genetics.  
 Journal of Morphology.  
 Journal of Physiology.  
 Journal of the Royal Microscopical Society.  
 \*Midland Naturalist.  
 Mittheilungen aus der Zoologischen Station zu Neapel.  
 Quarterly Journal of Microscopical Science.  
 \*University of California Publications, Physiology.  
 \*University of California Publications, Zoology.  
 \*University of Pennsylvania, Contributions from the Botanical Laboratories.  
 \*University of Pennsylvania, Contributions from the Zoological Laboratories.  
 \*University of Toronto Studies, Biological Series.  
 \*University of Toronto Studies, Physiological Series.  
 Zeitschrift für wissenschaftliche Zoologie.  
 Zoologischer Anzeiger.

### *Science, General.*

American Journal of Science.  
 Atti della Reale Accademia delle Scienze di Torino.  
 British Association for the Advancement of Science, Reports.

\*Bulletin of the University of Wisconsin, Science Series.  
 Comptes Rendus des Séances de l'Académie des Sciences.  
 \*Elisha Mitchell Scientific Society Journal.

\* Presented by the Publishers.

† Suspended publication.

‡ In Christian Association Library.



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| International Catalogue of Scientific Literature.          | Proceedings of the Royal Society of London.      |
| *Kansas University, Science Bulletin.                      | Science.   |
| Nature.  | Scientific American and Supplement.              |
| *New York State Museum Bulletin.                           | Scientific Monthly.                              |
| Philosophical Transactions of the Royal Society of London. | *Technology Review.                              |
| Proceedings of the American Philosophical Society.         | *U. S. National Museum, Publications.            |
|  | *University of Missouri Studies, Science Series. |

### *Science, Geology, and Geography.*

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|---------------------------------------|---|
| Centralblatt für Mineralogie.         | Mineralogische und petrographische Mittheilungen.           |
| Economic Geology.                     | National Geographic Magazine.                               |
| Geographical Journal.                 | Neues Jahrbuch für Mineralogie, Geologie und Paläontologie. |
| Geological Magazine.                  | Philadelphia Geographical Society Bulletin.                 |
| Geologisches Centralblatt.            | Quarterly Journal of the Geological Society.                |
| *Georgia Geological Survey Bulletin.  | *Resources of Tennessee.                                    |
| *Illinois Geological Survey Bulletin. | *U. S. Monthly Weather Review.                              |
| Journal of Geography.                 | *University of Toronto Studies, Geological Series.          |
| Journal of Geology.                   |   |
| Meteorologische Zeitschrift.          |   |
| Mineralogical Magazine.               |   |

### *Mathematics, Chemistry, and Physics.*

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| Acta Mathematica.  | Journal de Chimie physique.                        |
| American Journal of Mathematics.                               | Journal de Mathématiques.                          |
| Annalen der Chemie.  | Journal de Physique.                               |
| Annalen der Physik.  | Journal für die reine und angewandte Mathematik.   |
| Annales de Chimie.   | Journal für praktische Chemie.                     |
| Annales de Physique.   | Journal of the London Chemical Society.            |
| Annales scientifiques de l'Ecole Normale Supérieure.           | Journal of Physical Chemistry.                     |
| Annali di Matematica.  | Kolloidzeitschrift.                                |
| Astrophysical Journal.   | Mathematische Annalen.                             |
| Beiblätter zu den Annalen der Physik.                          | Messenger of Mathematics.                          |
| Berichte der deutschen chemischen Gesellschaft.                | Monatshefte für Chemie.                            |
| Bibliotheca Mathematica.                                       | Physical Review.                                   |
| Bollettino di Bibliografia e Storia delle Scienze Matematiche. | Physikalische Zeitschrift.                         |
| Bulletin de la Société Chimique de France.                     | Proceedings of the London Mathematical Society.    |
| Bulletin de la Société Mathématique.                           | Quarterly Journal of Mathematics.                  |
| Bulletin des Sciences Mathématiques.                           | Rendiconti del Circolo Matematico di Palermo.      |
| Bulletin of the American Mathematical Society.                 | Science Abstracts.                                 |
| Cambridge Tracts in Mathematics.                               | Transactions of the American Mathematical Society. |
| Chemisches Zentralblatt.                                       | *U. S. Bureau of Standards Bulletin.               |
| Giornale di Matematiche.                                       | Zeitschrift für anorganische Chemie.               |
| Jahrbuch über die Fortschritte der Mathematik.                 | Zeitschrift für Elektrochemie.                     |
| Jahresbericht der deutschen Mathematiker Vereinigung.          | Zeitschrift für Mathematik und Physik.             |
|  | Zeitschrift für physikalische Chemie.              |

\* Presented by the Publishers.

The library is open daily from eight A. M. to ten P. M. Books may be taken out by the students unless specially reserved for library reference use.

There are in Philadelphia the following important libraries which are available for students:

The *Library Company of Philadelphia*, which contains about 249,000 volumes, divided between the Locust Street Building and the Ridgway Branch. Its valuable collection of pamphlets is included in the number of volumes as given above. The Library is open from nine A. M. to six P. M., and is open to students for consultation freely during these hours. To take books from the building a deposit must be made or subscriptions will be received as follows: Twelve dollars for one year, six dollars for six months, four dollars for three months.

The *Mercantile Library*, which contains about 210,869 volumes and 22,911 pamphlets. Private subscription, \$5.00 a year for two separate works at a time.

The *Library of the Academy of Natural Sciences*, which contains about 80,700 volumes. The Council of the Academy has generously conceded the use of its library and of its museum to the students of Bryn Mawr College.

The *Library of the University of Pennsylvania*, which contains about 431,500 volumes and 50,000 pamphlets. The custodians of this library have always shown great courtesy in placing rare volumes at the disposal of the college.

The *Free Library of Philadelphia*, which contains 515,925 volumes and 244,328 pamphlets, and is at all times open to the students for consultation.

The *American Philosophical Society Library*, which contains about 66,500 volumes, admission by card.

The *Historical Society of Pennsylvania Library*, which contains over 140,000 volumes, and 300,000 pamphlets, is for reference only. Every courtesy is extended to members of the college.

### Examination for Matriculation.

#### *Examination for Matriculation.*

The examination for matriculation\* must be taken by all who wish to pursue their studies in the undergraduate department of the college, either as candidates for a degree or as students pursuing special courses, with the exception of such applicants for admission as present a certificate of honourable dismissal from one of the colleges or universities whose alumniæ are eligible to membership in the Association of Collegiate Alumniæ, and a satisfactory record of entrance credits equivalent to those required by Bryn Mawr College and of full academic work for at least one year.†

The examination for matriculation, including the Preliminary Examination, is open to those also who wish to take it as a test of proficiency in elementary studies, but have no intention of entering the college. Certificates are given to those who are successful in passing the examination.‡§

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\* The examinations of the College Entrance Examination Board which are designated by Bryn Mawr College as equivalent to the matriculation examination of the college will be accepted, subject to certain conditions. For details see pages 170-171.

† The colleges and universities whose alumniæ are eligible to membership in the Association of Collegiate Alumniæ are as follows:

|                                      |  |
|--------------------------------------|--|
| Barnard College.                     | Massachusetts Institute of Technology. |
| Beloit College.                      | University of Michigan.                |
| Boston University.                   | University of Minnesota.               |
| Women's College in Brown University. | University of Missouri.                |
| Bryn Mawr College.                   | Mount Holyoke College.                 |
| University of California.            | The University of Nebraska.            |
| Carleton College.                    | University of North Dakota.            |
| University of Chicago.               | Northwestern University.               |
| University of Cincinnati.            | Oberlin College.                       |
| Colorado College.                    | Ohio State University.                 |
| University of Colorado.              | Ohio Wesleyan University.              |
| Cornell University.                  | Pomona College.                        |
| DePauw University.                   | Purdue University.                     |
| Drake University.                    | Radcliffe College.                     |
| Earlham College.                     | University of Rochester.               |
| Elmira College.                      | Smith College.                         |
| Goucher College.                     | Swarthmore College.                    |
| Grinnell College.                    | Syracuse University.                   |
| University of Illinois.              | Trinity College.                       |
| Indiana University.                  | Vassar College.                        |
| The State University of Iowa.        | Washington University (St. Louis).     |
| University of Kansas.                | University of Washington (Seattle).    |
| Knox College.                        | Wells College.                         |
| Lake Forest College.                 | Wellesley College.                     |
| Lawrence College.                    | Western Reserve University.            |
| Leland Stanford, Jr. University.     | University of Wisconsin.               |

‡ Printed sets of matriculation papers may be obtained for thirty cents from the Secretary of the College.

§ For the four competitive entrance scholarships awarded annually, see page 192.

Blank forms of application for admission may be obtained from the Secretary of the College.

Examinations are held annually in the spring, autumn, and winter at Bryn Mawr College, and in the spring of the year may be held at other places; they are always held in the spring in Baltimore, Boston, Chicago, New York, Pittsburgh, Portland (Oregon), Richmond, St. Louis, and London (England). Candidates taking examinations at the above mentioned regular examination centres are charged a fee of five dollars for the whole or any part of the examination.

Examinations may also be held by request at other places, but in this case the candidates must defray the whole expense of the examination, the minimum fee being five dollars. In the past ten years examinations have been held by request at the following places:

California: Bonita, Los Angeles, Piedmont, San Francisco, Santa Barbara; Colorado: Denver; Connecticut: Greenwich, Washington, Waterbury; Georgia: Athens; Illinois: Springfield; Indiana: Fort Wayne, Indianapolis, Terre Haute; Iowa: Council Bluffs, Davenport, Dubuque, Keokuk; Kentucky: Louisville; Maine: Portland; Maryland: Catonsville, Cumberland; Massachusetts: Fall River; Michigan: Bay City, Detroit, Houghton; Minnesota: Minneapolis; Missouri: Hannibal; Montana: Helena; Nebraska: Omaha; New Jersey: Lakewood, Princeton, Trenton; New York: New Rochelle, Rochester, Rye, Saratoga Springs, Utica; North Carolina: Biltmore; Ohio: Cincinnati, Cleveland, Columbus; Pennsylvania: Altoona, Bellefonte, Harrisburg, Hazleton, Johnstown, Lancaster, Oxford, Scranton, Wilkes Barre, York; Rhode Island: Providence; South Carolina: Charleston; Tennessee: Memphis; Texas: Dallas; Washington: Seattle; Wisconsin: Fond du Lac, Milwaukee; and Washington, District of Columbia; France: Paris; Germany: Berlin, Munich; Asia Minor: Tarsus.

Candidates who intend to present themselves for examination in the spring at Bryn Mawr College must apply to the Secretary of the College on or before May fifteenth and the application should be made on a form to be obtained from the Secretary of the College, and must be accompanied by the fee of five dollars charged for each division of the examination. Candidates who apply after this date will be charged an additional fee of five dollars. Candidates intending to take examinations elsewhere



than at Bryn Mawr College must apply to the Secretary of the College on or before April fifteenth. Candidates who fail to do this will be charged a fee of five dollars in addition to the fee charged for the examination.

Candidates who intend to present themselves for examination in the autumn must apply on or before September fifteenth and candidates who intend to present themselves in the winter must apply before January fifteenth.

*Tabular Statement.*—In order to obtain a certificate of admission to Bryn Mawr College the candidate must be examined in *all*\* the following subjects, counted as equivalent to twenty points, and must pass not fewer than fifteen points. No candidate will be admitted to Bryn Mawr College if conditioned in more than five points.

| <i>Subjects.</i>                         | <i>Points.</i> |
|--|----------------|
| Algebra.....                             | 2              |
| Plane Geometry.....                      | 2              |
| Latin Grammar and Prose Composition..... | 1              |
| Latin Prose Authors.....                 | 2              |
| Latin Poetry.....                        | 1              |
| English Grammar.....                     | 1              |
| English Composition.....                 | 3              |
| History.....                             | 1              |
| Science.....                             | 1              |
| Greek Grammar and Prose Composition..... | 1              |
| Greek Prose Authors.....                 | 1              |
| Greek Poetry.....                        | 1              |
| German Grammar and Translation.....      | 3              |
| French Grammar and Translation.....      | 3              |
| Two of these three languages... 6        |                |
| —  |                |
| 20                                       |                |

The number of points allotted to each subject indicates approximately the time which should be devoted to preparation

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\* Candidates are expected to show by their papers that all the subjects required for matriculation have been studied for a reasonable length of time. Total failure in the second division of the examination in any subject, when such failure is of a character to indicate that the subject has been presented as a mere form, prevents the candidate from receiving any certificate, unless she can produce satisfactory evidence that the subject in question has been faithfully studied for a reasonable length of time.

for that subject. Thus if, for example, the candidate studies five subjects in each year during the last four years of preparation for college, then Mathematics, Latin, and English should be studied for all four years since each counts as four points of the examination; History and Science should each be studied for one year since each counts as one point; and the two languages (Greek and German, or Greek and French, or German and French) should be studied for three years since each counts as three points, or three-twentieths, of the examination.

With the exception of a Preliminary Examination which may be taken under special conditions stated below, the examination may not be taken in more than two divisions. In each division the candidate may offer any subjects she pleases, provided that she offer in the first division a sufficient number of points (at least four) to secure a certificate. In case four points be not passed in the first division of the examination, it is cancelled and must be repeated.

If more than one calendar year and the summer vacation elapse between the two divisions of the examination for admission the first division is cancelled and must be repeated. In case a sufficient number of points to secure admission be not passed in two divisions of the examination the points taken in one division must be cancelled, and all the points offered in the cancelled division (except those points which have been offered in the division which is to be counted) must be offered again, together with a sufficient number of the points in which the candidate has been conditioned to ensure her passing in the required number of points.

Candidates that have passed the fifteen points necessary for admission may remove conditions by passing the corresponding examinations before or after entering the college. All entrance conditions must be passed off within the first semester after the student enters the college, under penalty of exclusion from full college work during the second semester with the exception that students conditioned in only one point may continue their full college work but are required to be tutored in the subject in which they are conditioned. All students who have not passed off all their entrance conditions at the end of their second semester will be excluded from the college for one year with the exception of those conditioned in only one point who are permitted to pass it off in September. A fee of three dollars is charged for each condition examination except conditions in punctuation for which the fee is one dollar. Students with entrance conditions in Greek, Latin, English, German, French, or Mathematics are not permitted to attend the college courses in these subjects until the conditions have been passed off. Conditions in history and science do not exclude students from college classes in these subjects.

***Removal  
of  
Con-  
ditions.***

## THE PRELIMINARY EXAMINATION.

In and after the spring examinations, 1916, candidates who wish to take some of their examinations two years before entering the college may avail themselves of a new Preliminary Examination. The subjects that may be offered are as follows:

|  | <i>Points.</i> |
|--|----------------|
| Either Algebra or Plane Geometry, counting as..... | 2              |
| English Grammar.....                               | 1              |
| French.....  | 3              |
| German.....  | 3              |
| Latin Prose Authors*.....                          | 2              |
| Ancient History†.....                              | 1              |

There is no restriction as to the number of points in the above subjects that may be offered in this Preliminary Examination; any points passed will be credited in the first division of the examinations for matriculation, and the candidate will receive a certificate for all points so passed. A candidate's application to the Secretary of the College for the Preliminary Examination must be accompanied by a statement from the head of the school, the private tutor, or the candidate herself, that she is presenting herself for the Preliminary Examination two years before the usual time of completing her preparation for college.

Candidates who decide to complete their examinations for matriculation in less than two years may count the Preliminary Examination as the first division, provided four points have been passed; otherwise the Preliminary Examination must be cancelled and the usual matriculation examination taken in not more than two divisions under the usual regulations as to time. Candidates are not required to count the Preliminary Examination as any part of the matriculation examinations.

The Preliminary Examination may be taken only in the Bryn Mawr College examinations either in the spring or autumn, but no candidate may present herself more than once. The Preliminary Examination may not be taken in the College Entrance Board Examinations. Candidates, however, who have taken the Preliminary Examination may complete their matriculation examinations by taking either the examinations set by Bryn Mawr College or those set by the College Entrance Examination Board.

The Preliminary Examination may be taken as a test of proficiency by candidates who are not preparing for college.

## COLLEGE ENTRANCE EXAMINATION BOARD.

The examinations of the College Entrance Examination Board which are designated below as equivalent to the matriculation examinations of the college will be accepted for admission to the college, subject to the same conditions which govern the Bryn Mawr College examinations.

The passing mark for both sets of examinations is the same, sixty per cent.

With the exception of the Preliminary Examination which may be taken under the special conditions stated above, the matriculation examination may not be taken in more than two divisions. The Preliminary Examination must be taken in the Bryn Mawr College examination, but candidates may divide the divisions as they please between the examination of Bryn Mawr College and of the College Entrance Examination Board; both divisions may be taken in the Bryn Mawr College examination, or in the examination of the College Entrance Examination Board; or one division may be taken in the Bryn Mawr College examination, and the other in the examination of the College Entrance Examination Board.

Not more than one calendar year and the summer vacation may elapse between the two divisions of the examination for admission. There is no other restriction as to time; for example, candidates may present themselves for the first division of their examination

\* This subject is included in the hope that the schools will be able to readjust their work so as to offer it in this examination.

† In this subject in and after 1917 a new type of paper will be set, and a model examination paper will be sent out on request.

tion in the spring examination of Bryn Mawr College, held during the last week in May and the first week in June, and for the second division at the examination held by the College Entrance Examination Board in the third week of June of the same year; or if they fail in the spring examination of Bryn Mawr College they may try the same subjects again in the examination of the College Entrance Examination Board three weeks later.

In case a sufficient number of points to secure admission is not passed in two divisions of the examination the points taken in one division must be cancelled, and all the points offered in the cancelled division (except those points which have been also offered in the division which is to be counted), must be offered again, together with a sufficient number of the points in which the candidate has been conditioned to ensure her passing in the required number of points.

Candidates who have passed the fifteen points necessary for admission may remove conditions by passing the corresponding examinations in the Bryn Mawr College or the College Entrance Examination Board examination.

Candidates taking the College Entrance Examination Board's examination will not be considered in the awarding of the four Bryn Mawr competitive entrance examination scholarships, unless the final division of the examination be taken in the spring Bryn Mawr College examination. Candidates are not eligible when the finals are taken in the autumn examination.

## TABLE OF EQUIVALENT EXAMINATIONS.

| COLLEGE ENTRANCE EXAMINATION<br>BOARD EXAMINATION.                      |   | BRYN MAWR COLLEGE<br>EXAMINATION.                  |                |
|---|---|--|----------------|
| <i>Subjects.</i>  |   | <i>Subjects.</i>                                   | <i>Points.</i> |
| Mathematics: Algebra, A 1, and A 2,<br>taken together.....              | = | Algebra.....                                       | 2              |
| Mathematics: C.....   | = | Plane Geometry.....                                | 2              |
| Latin: 1 and 6, taken together.....                                     | = | Latin Grammar and Prose Composi-<br>tion.....      | 1              |
| Latin: P.....   | = | Latin Prose Authors.....                           | 2              |
| Latin: Q.....   | = | Latin Poetry.....                                  | 1              |
| English: 1.....   | = | English Grammar.....                               | 1              |
| English: 2.....   | = | English Composition.....                           | 3              |
| History: A or C* or D,*.....  | = | Ancient, or English,* or American*<br>History..... | 1              |
| Physics, or Chemistry,* or Botany,* or<br>Geography,* or Biology,*..... | = | Science.....                                       | 1              |
| Greek: F.....   | = | Greek Grammar and Composition.....                 | 1              |
| Greek: G.....   | = | Greek Prose Authors.....                           | 1              |
| Greek: CH.....  | = | Greek Poetry.....                                  | 1              |
| French: A and B.....  | = | French Grammar and Translation....                 | 3              |
| German: A and B.....  | = | German Grammar and Translation....                 | 3              |

*Examinations for Advanced Standing.*

|                     |   |                 |
|---------------------|---|-----------------|
| Mathematics: D..... | = | Solid Geometry. |
| Mathematics: E..... | = | Trigonometry.   |
| No Equivalent.....  | = | Minor Latin.    |

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\* In and after spring 1919 this subject will not be accepted.



**Advanced Standing.**

Candidates desiring to enter with advanced standing *may* offer for examination before or at entrance the remaining language (either French, or German or Greek,\* whichever was not included by the candidate in the above twenty sections), and if this examination is not passed before entrance, the candidate must pass the matriculation examination in it before receiving the degree of Bachelor of Arts.

If this examination is not passed before the beginning of the student's third year in the college, she must attend the college class in the subject, or in Minor Latin, the substitute for Greek, in her third year.

Candidates desiring to enter with advanced standing *may* offer for examination before entrance trigonometry† and solid geometry. These subjects are not necessarily included in the requirements for the degree of Bachelor of Arts, but students that have passed these examinations are credited with the equivalent number of hours of free elective work, each examination counting for this purpose as equivalent to two hours a week of free electives for one semester. Such advanced standing examinations will enable the student to lighten her work in college or to enlarge her choice of elective studies, but will not enable her to shorten the time of obtaining the bachelor's degree which represents in every case four years of study in collegiate classes.

*Definition of Matriculation Subjects.*

**Mathematics.** *I. Mathematics.*—Algebra. (Counting as two points.) Plane Geometry. (Counting as two points.)

The examination in Algebra comprises Elementary Operations, Quadratic Equations, Problems, Ratio, Proportion, Variation, Arithmetical and Geometrical Progressions, the Binominal Theorem for Positive Integral Exponents.

While there is no formal examination in Arithmetic, an adequate knowledge of the subject is required throughout the mathematical examinations; in *all* the papers there

\* Students that have not passed the matriculation examination in Greek may substitute for it the matriculation course in Greek or the minor course in Latin. The minor course in Latin may also be offered for examination by candidates for matriculation that desire to enter the college with advanced standing, and, at their discretion, by matriculated students without attendance on the college classes, provided it is offered before the close of the matriculation examinations at the beginning of the student's junior year. The minor course is considered for this purpose as comprising two sections. No substitutions are allowed for any part of the following requirements, except in the case of students entering with advanced standing from other colleges:

A. Cicero, *Selected Letters*, 1, 2, 3, 5, 6, 7, 8, 10, 11, 16, 17, 19, 20, 21, 22, 23, 24, 25, 30, 31, 33, 37, 38, 39, 42, 44, 45, 47, 49, 52, 75, 76, 91, 92 (*Letters of Cicero*, edited by F. F. Abbott, Boston, Ginn and Company), Terence, *Phormio*, *Adelphoe* and *Andria* or by special request registered three months before the examination, Livy, *Book xxi.*, Latin Prose Composition, including a detailed knowledge of the more abstruse Latin constructions and some facility in turning simple English narrative into Latin. The examination in Livy and Composition is given only when the candidate furnishes proof that she was unable to secure preparation in Terence.

B. Horace, *Odes*, except i. 25, 27, 33, 36; ii. 5; iii. 6, 15, 20; iv. 1, 10, 13; *Epodes* except 3, 5, 8, 11, 12, 15, 17; *Carmen Sæculare*; *Satires* i. 1, 5, 6, 9; ii. 6; *Epistles* i. 1, 5, 6, 7, 8, 10, 14, 20.

There are two examinations, one in Section A and one in Section B, each three hours in length. These examinations may be taken in different years, and in the order preferred by the candidate; or one section may be studied in the corresponding college class, and the other offered for examination without attending the class. Examinations in Minor Latin are held only at the time of the regular matriculation examinations at the beginning and end of the college year, and in February.

† For examinations in the College Entrance Examination Board equivalent to those which may be offered for advanced standing, see page 171.

are some numerical problems, and the correct solution of a fair number of these is regarded as essential. So many good text-books are available in both Algebra and Plane Geometry that no special books are recommended. The following are mentioned simply as an indication of the preparation required for these examinations:

C. Smith's *Elementary Algebra* (American edition, revised by Irving Stringham); Phillips and Fisher's *Elements of Geometry* (abridged edition); Wentworth's *Geometry*.

**II. Latin.**—Grammar and Composition. (Counting as one point.) *Latin*. Translation at sight of simple passages in Latin prose. (Counting as two points.) Translation at sight of simple passages of Latin poetry. (Counting as one point.) Due allowance is made for unusual words, and there are questions testing the candidate's practical knowledge of grammar and prosody.

The Latin read in preparation may be selected from Cæsar (*Galic War* and *Civil War*), Nepos (*Lives*), Cicero (*Orations, Letters, and De senectute*), Sallust (*Catiline* and *Jugurtha*), Vergil (*Aeneid, Bucolics, and Georgics*), and Ovid (*Metamorphoses, Fasti, and Tristia*). The amount to be read should not be less than that contained in Cæsar, *Galic War, I-IV*, Cicero, *Manilian Law, Archias*, and four *Orations against Catiline*, and Vergil, *Aeneid, I-VI*. The vocabulary, syntax, and thought of the sight passages will be adapted as closely as possible to the knowledge gained by a careful reading of the required amount of Latin. The paper in Grammar and Composition demands a knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in schools.

**III. History.**—The outlines of Ancient History; or the outlines of the *History*. History of England;\* or the outlines of the History of the United States.\* (Counting as one point.)

Andrews' *History of England*, Cheyney's *A Short History of England*, and MacLaughlin's *History of the American Nation*, Adams and Trent's *History of the United States*, or Andrews' *History of the United States*, will indicate the preparation required in the History of England and the United States. In Ancient History the period covered will extend from the rise of Egypt and Babylonia to the coronation of Charlemagne in 800 A. D. Most attention will be given to the history of Greece and Rome, less to the history of the oriental empires and to the time following the Germanic invasions. Knowledge of the geographical setting of events will be tested by questions referring to an outline map furnished in the examination. It will be assumed that more instruction has been given in narrative than in constitutional history. The latter can best be taught by showing the character of developed constitutions rather than by requiring a knowledge of all steps through which constitutions came into being. Questions will be asked about the social life of the ancient world as well as about the general development of its thought and art.

For ancient history standard texts, such as Goodspeed-Ferguson's *History of the Ancient World*, Webster's *Ancient History*, Botsford's *History of the Ancient World*, and West's *Ancient History* (revised) should serve as a suitable basis for instruction. Supplementary reading on selected topics and the writing of papers relating to this reading are desirable exercises. Teachers will find useful such interpretations as Zimmern's *Greek Commonwealth*, Ferguson's *Greek Imperialism*, Dickinson's *Greek View of Life*, Fowler's *Social Life at Rome in the Age of Cicero*, Frank's *Roman Imperialism*, and Dill's *Roman Society from Nero to Marcus Aurelius*.

**English.**—English Grammar. (Counting as one point.) English *English*. Composition. (Counting as three points.) The examinations in grammar and composition may be divided and may be taken in either division

\* In and after the spring examinations, 1919, these subjects will no longer be included in the matriculation examination.

of the entrance examination. The examination in English Grammar consists of the correction of passages of incorrect English. Questions will be asked to test the candidate's knowledge of the grammatical principles involved in the corrections, in especial concerning the details of sentence structure. The examination in English Composition consists of a critical composition of 350 words, and in addition, of one or two paragraphs in which the candidate is asked to give in a descriptive or narrative form the substance of important parts of the required reading.

In 1917 spring and autumn examinations, 1918, and the winter of 1919\* candidates must be familiar with the following books agreed on by the Associations of the Colleges and Schools of the New England States, the Middle States and Maryland, the North Central States, and the Southern States: Shakespeare's *As You Like It*, *The Merchant of Venice*, *Julius Caesar*, and *Macbeth*; Milton's *L'Allegro*, *Il Penseroso*, and *Comus*; the *Sir Roger de Coverley Papers in the Spectator*; Gray's *Elegy in a Country Churchyard*; Burke's *Speech on Conciliation with America*; Palgrave's *Golden Treasury* (first series), Book IV, with special attention to Wordsworth, Keats, and Shelley; Coleridge's *Ancient Mariner*; Scott's *Ivanhoe*; Thackeray's *Henry Esmond*; Hawthorne's *House of the Seven Gables*; Macaulay's *Essay on Milton*; Tennyson's *Passing of Arthur*; Arnold's *Sohrab and Rustum*; Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*; *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Hervé Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*; Stevenson's *Inland Voyage* and *Travels with a Donkey*.

In preparing for this examination special attention should be given to the structure of the whole composition, and the analysis of model essays, for example Arnold's *Essay on Gray*, is recommended. Robins and Perkins's *Introduction to the Study of Rhetoric*, Hill's *Foundations of Rhetoric*, Abbott's *How to Write Clearly*, and Bigelow's *Handbook of Punctuation*, will serve to indicate the preparation required for paragraph structure, sentence structure, and punctuation.

**Science.** **Science.**—The elements of one of the following sciences:—Physics, or Chemistry, † or Botany, † or Physiology, † or Physical Geography. † (Counting as one point.)

Mann and Twiss's *Physics*; or Millikan and Gale's *A First Course in Physics*; Reimsen's *Introduction to the Study of Chemistry* (Briefer Course) or Alexander Smith's *Text-book of Elementary Chemistry*; Atkinson's *Elementary Botany* or Barnes's *Plant Life* or Bergen and Davis's *Principles of Botany* used in connection with Spalding's *Introduction to Botany* or Caldwell's *Plant Morphology*; Hough and Sedgwick's *Human Mechanism* with laboratory work recommended, Davis's *Elementary Physical Geography*, Gilbert and Brigham's *Introduction to Physical Geography*, Dryer's *Lessons in Physical Geography*, and Salisbury's *Physiography*, will serve to indicate the preparation required. Candidates are advised, whenever possible, to offer Physics, as this study forms the best basis for scientific work. It is recommended that candidates should have some knowledge of the metric system.

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\* In and after the spring examination, 1919, the examination in English will be changed and full particulars of the requirements may be obtained from the Secretary's office after October 1st, 1917.

† In and after the spring examinations, 1919, these subjects will no longer be included in the matriculation examination; all candidates will be required to offer physics. Information as to a change in the nature of the physics paper may be obtained from the Secretary's office.



#### IV. Two of the following languages:

**Greek.**—Grammar and Composition. Very simple prose composition *Greek*. with words and construction taken from Xenophon's *Anabasis*. (Counting as one point.) Translation at sight of simple passages in Attic prose, such as Xenophon's *Anabasis* or *Memorabilia*. (Counting as one point.) Translation at sight of passages of average difficulty from Homer. (Counting as one point.) Due allowance is made for unusual words and there are questions testing the candidate's practical knowledge of grammar and prosody.

White's *First Greek Book* will serve to indicate the preparation required in prose composition.

**French.**—Grammar and Composition. (Counting as one point.) This *French*. is to test the candidate's knowledge of ordinary grammatical forms and ability to write simple French. In and after the spring examinations, 1918, the examination in French Grammar and Composition will consist of an exercise in the translation of English into French accompanied by questions on grammatical forms and constructions. Prose and Verse Translation. (Counting as two points.) This is a test of the candidate's power to read at sight ordinary French prose and verse.

For the examination in reading no texts are assigned, the examination being intended to test the candidate's ability to read any ordinary French whatsoever. Candidates preparing for these examinations are advised to acquire as large a vocabulary as possible; they are further advised in their study of verbs to concentrate their attention on the regular verbs, the auxiliaries *être*, *avoir*, such important irregular verbs as *aller*, *devoir*, *dire*, *faire*, *mettre*, *prendre*, *pouvoir*, *vouloir*, *tenir*, *venir*, *voir*, *écrire*, *lire*, *croire*, *boire*, and the typical verbs *conduire*, *craindre*, *paraître*, *partir*, and to acquire a fair knowledge of the use of the various past tenses and of the rules of the subjunctive.

Teachers preparing students that wish to elect French in the college are advised to train their pupils to write French from dictation in order to enable them to understand lectures delivered in French.

**German.**—Grammar and Composition. (Counting as one point.) This *German*. is to test the candidate's knowledge of ordinary grammatical forms and ability to write simple German. In and after the spring examinations, 1918, the examination will consist of an exercise in the translation of English into German accompanied by questions on grammatical forms and constructions. Prose and Verse Translation. (Counting as two points.) This is a test of the candidate's power to read at sight ordinary German prose and verse.

For the examination in reading no texts are assigned, the examination being intended to test the candidate's ability to read any ordinary German. Candidates should endeavour to acquire as large a vocabulary as possible; they are also advised to study the German forms and constructions.

Candidates who intend to continue the study of German in the college should be prepared to understand lectures delivered in German.



## Requirements for Degrees.

*Studies  
Leading  
to the  
Degree of  
Bachelor  
of Arts.*

Every candidate for the degree of Bachelor of Arts must have passed examinations on work amounting to one hundred and twenty hours\* and must have obtained an examination grade above that of "passed," that is, the grade of merit,† (seventy per cent) or over, on half of these one hundred and twenty hours; she must also possess at the time of graduation a reading knowledge of French and German and some acquaintance with Latin. She must have been in attendance on college classes in Bryn Mawr College, or in some other college of high standing, for a period of four years;§ she must have fulfilled the requirements of the department of athletics and gymnastics.

If a student at the end of her junior year, or in February of her senior year, has received a grade *below* seventy per cent in as many as one-half of the hours that she has offered for examination of the one hundred and twenty required for the degree, she will not be allowed to graduate at the end of her senior year; but if she wishes to continue her studies at Bryn Mawr College, must plan to remain for an additional year or for a longer period. She will be on probation during this time and her work will be prescribed by a committee of the Faculty, the object being to enable her to improve the quality of her work so that she may not ultimately be disqualified by her grades from obtaining a degree.

No student who has received a grade below seventy per cent in as many as one-half of the hours that she has taken of the 120 hours required for

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\* The word hour here means one hour a week for one semester. In calculating the standing of students under this rule every course offered for examination, including the fourth language, trigonometry, and solid geometry when offered for advanced standing in the matriculation examination, must be included except as explained below. A grade once obtained in an examination may not be cancelled, the first one hundred and twenty hours of examinations offered qualifying, or disqualifying, for a degree. Grades received on examinations offered for work not taken in the college classes must be counted in these one hundred and twenty hours, except in the case of students who enter with advanced standing from other colleges, and give notice within the first two weeks after their entrance of a desire to offer for examination subjects already pursued. Such students will, in case they fail in these examinations, be granted the privilege of cancelling them so that they shall not count in estimating their standing under the merit law, provided they enter the corresponding courses as regular students without attempting to pass off the conditions incurred. A similar privilege will be granted to students who offer trigonometry or solid geometry or a fourth language in the matriculation examination *before* entering the college and also to students who offer proof within two weeks after entering the college that they have studied these subjects in school or college classes or under private tuition. These students are not required to enter the corresponding college classes provided they fail in the examination.

† Since this merit law was enacted no student who has not fulfilled the requirements as above stated has received a degree.

§ Work in summer schools of colleges and universities may not be substituted for work of the regular college year.

her degree will be permitted to hold office in any of the organizations of the college, to take part in any entertainment requiring preparation, or to undertake any paid work.

The following course of study must be pursued by every candidate for the degree of Bachelor of Arts:

*Required  
Studies.*

*Greek or French or German*,\* five hours a week for one year, when this subject has not been included in the examination for matriculation. Those students, however, who wish to omit Greek may substitute for the required course in Greek the minor course in Latin.†

*English*, five hours a week for two years.

*Philosophy and Psychology*, five hours a week for one year.

*Science*, five hours a week for one year.

*Science, or History, or Economics and Politics, or Philosophy, or Psychology, or Mathematics*, five hours a week for one year.

*Two Major Courses*, of five hours a week for two years each, constituting one of the following groups: any Language with any Language;‡ Latin or Greek with Ancient History; Ancient History with Classical Archæology; Modern History with Economics and Politics, or with German, or French, or History of Art; Philosophy or Psychology, or Philosophy and Psychology§ with Greek, or English, or Economics and Politics, or Mathematics, or Physics; Philosophy with Latin or Psychology; Psychology with Biology; Classical Archæology with Greek, or Latin; History of Art with French, or German, or Italian, or Spanish;‡ Mathematics with Greek, or Latin, or Physics, or Chemistry, or Geology, or Biology; any Science with any Science.

*Free Elective Courses*, amounting to ten hours a week for one year, to be chosen by the student. It should be noted that a single study may be taken as a free elective without electing the group that includes it, and any courses open as free electives may be chosen without taking the remainder of the minor course of which they may form a part.

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\* The College provides matriculation classes, five hours a week throughout one year, for those students who in the examination for matriculation may have omitted Greek, French, or German. Attendance on these classes is not obligatory before the beginning of the junior year, the student being free until then to make good her deficiencies by private study. Compare footnote, page 172.

† A student choosing Latin as one of the languages of her group, and not wishing to study Greek, may substitute for the year of minor Latin five hours a week for one year of post-major Latin, or a year of French, or German, or Italian, or Spanish.

‡ For the purpose of forming a group, Italian and Spanish may count as one language; they may be combined so as to form a course of five hours a week for two years.

§ For the purpose of forming a group, philosophy and psychology may be combined so as to form a course of five hours a week for two years.

*Tabular Statement.*

The studies required for a degree may for convenience be tabulated as follows:

*Required Courses (Five hours a week for One Year Each).*

| 1 and 2.                   | 3.                               | 4.   | 5.  | 6.*   |
|----------------------------|----------------------------------|--|---|---|
| English.<br>[Two Courses.] | Philosophy<br>and<br>Psychology. | Science:<br>Physics,<br>or<br>Chemistry,<br>or<br>Geology,<br>or<br>Biology. | Science,<br>or<br>History,†<br>or<br>Economics and<br>Politics,<br>or<br>Philosophy, or<br>Psychology, or<br>Mathematics. | Matriculation<br>French,<br>or<br>Matriculation<br>German,<br>or<br>Matriculation<br>Greek (or<br>Minor Latin). |

*Two Major Courses (Five hours a week for Two Years Each).*

Constituting any one of the following sixty-three groups:

| I—XX.  | XXI.                                 | XXII.                                | XXIII.   |
|--|--------------------------------------|--------------------------------------|--|
| Any Language<br>with<br>any Language‡<br>(Twenty Groups).  | Ancient<br>History<br>with<br>Greek. | Ancient<br>History<br>with<br>Latin. | Ancient<br>History<br>with<br>Classical<br>Archæology. |
| XXIV.  | XXV.                                 | XXVI.                                | XXVII.   |
| Modern<br>History<br>with<br>Economics<br>and<br>Politics. | Modern<br>History<br>with<br>German. | Modern<br>History<br>with<br>French. | Modern<br>History<br>with<br>History<br>of Art.        |
| XXVIII.  | XXIX.                                | XXX.                                 | XXXI.  |
| Economics and<br>Politics with<br>Philosophy.              | Philosophy<br>with<br>Greek.         | Philosophy<br>with<br>Latin.         | Philosophy<br>with<br>English.                         |

\* The College provides matriculation classes, five hours a week throughout one year, for those students who in the examination for matriculation may have omitted Greek, French, or German. Attendance on these classes is not obligatory before the beginning of the junior year, the student being free until then to make good her deficiencies by private study. Students not wishing to study Greek may substitute the college course in minor Latin or the advanced standing examination in minor Latin for the examination in matriculation Greek. Minor Latin may not be offered for examination without attending the college class after the close of the matriculation examinations at the beginning of the junior year.

† A student electing modern history as one of her group subjects and offering history in place of the second year of science must offer five hours of post-major work in this subject.

‡ For the purpose of forming a group, Italian and Spanish may count as one language; they may be combined so as to form a course of five hours a week for two years.

|  |   |   |  |
|--|---|---|--|
| XXXII.<br>Philosophy<br>with<br>Psychology.              | XXXIII.<br>Philosophy<br>with<br>Mathematics.               | XXXIV.<br>Philosophy<br>with<br>Physics.                            | XXXV.<br>Philosophy and<br>Psychology<br>with Economics<br>and Politics. |
| XXXVI.<br>Philosophy and<br>Psychology<br>with<br>Greek. | XXXVII.<br>Philosophy and<br>Psychology<br>with<br>English. | XXXVIII.<br>Philosophy and<br>Psychology<br>with<br>Mathematics.    | XXXIX.<br>Philosophy and<br>Psychology<br>with<br>Physics.               |
| XL.<br>Psychology with<br>Economics and<br>Politics.     | XLI.<br>Psychology<br>with<br>Greek.                        | XLII.<br>Psychology<br>with<br>English.                             | XLIII.<br>Psychology<br>with<br>Mathematics.                             |
| XLIV.<br>Psychology<br>with<br>Physics.                  | XLV.<br>Psychology<br>with<br>Biology.                      | XLVI.<br>Classical<br>Archæology<br>with Greek.                     | XLVII.<br>Classical<br>Archæology<br>with Latin.                         |
| XLVIII.<br>History<br>of Art<br>with<br>German.          | XLIX.<br>History<br>of Art<br>with<br>French.               | L.<br>History<br>of Art<br>with<br>Italian.                         | LI.<br>History<br>of Art<br>with<br>Spanish.                             |
| LII.<br>Mathematics<br>with<br>Greek.                    | LIII.<br>Mathematics<br>with<br>Latin.                      | LIV.<br>Mathematics<br>with<br>Physics.                             | LV.<br>Mathematics<br>with<br>Chemistry.                                 |
| LVI.<br>Mathematics<br>with<br>Geology.                  | LVII.<br>Mathematics<br>with<br>Biology.                    | LVIII-LXIII.<br>Any Science<br>with<br>any Science<br>(Six Groups). |  |

*Free Elective Courses.*

Ten hours a week for one year in any subject, or subjects, the student may elect.

The following may serve as examples of some of the many combinations of studies that may be made by those candidates for a degree who wish to specialise as far as possible in particular departments: Matriculation French, Matriculation German, Matriculation Greek, and Minor Latin are bracketed as being



subjects that may be included in the examination for matriculation. These bracketed courses may be offered for examination before the beginning of the junior year without attendance on the college classes, but this is not advised on account of their difficulty.

CLASSICS. *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Philosophy, or Minor Mathematics). *As a Group*, Greek and Latin. *As Free Electives*, Post-major Greek and Latin, or Classical Archaeology, ten hours a week for one year.

MODERN LANGUAGES (other than English). *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Mathematics). *As a Group*, German and French, or German and Italian and Spanish, or French and Italian and Spanish. *As Free Electives*, Italian and Spanish, or Post-major French or German, ten hours a week for one year.

ENGLISH. *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Philosophy). *As a Group*, Greek and English, or Latin and English, or English and German, or English and French, or English and Italian and Spanish, or English and Spanish, or English and Philosophy. *As Free Electives*, Latin and German, ten hours a week for one year.

MATHEMATICS (with Greek). *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek], English, Philosophy, Physics, another Science, (or Post-major Mathematics, or Modern or Ancient History, or Minor Psychology). *As a Group*, Mathematics and Greek. *As Free Electives*, Post-major Mathematics and Post-major Greek, ten hours a week for one year.

MATHEMATICS (with Physics). *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, Chemistry, another Science (Geology, or Biology), or Post-major Mathematics. *As a Group*, Mathematics and Physics. *As Free Electives*, Post-major Mathematics and Post-major Physics, ten hours a week for one year.

MODERN HISTORY. *As Required Studies*, [Matriculation French, or Matriculation German, or Matriculation Greek, or Minor Latin], English, Philosophy, any Science, another Science, or Post-major History, or

Economics and Politics, *or* Minor Philosophy, *or* Mathematics). *As a Group*, Modern History and Economics and Politics. *As Free Electives*, Post-major Modern History and Post-major Economics and Politics, ten hours a week for one year.

PHILOSOPHY (with Greek). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Modern, *or* Ancient History, *or* Minor Economics and Politics, *or* Minor Mathematics). *As a Group*, Greek and Philosophy. *As Free Electives*, Post-major Greek and Minor Psychology ten hours a week for one year.

PHILOSOPHY (with English). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Modern, *or* Ancient History, *or* Minor Economics and Politics). *As a Group*, English and Philosophy. *As Free Electives*, Psychology and English, ten hours a week for one year.

MODERN EUROPEAN HISTORY (with French). *As Required Studies* [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Psychology, *or* Minor Economics and Politics, *or* Minor Philosophy, *or* Minor Mathematics). *As a Group*, Modern European History and French. *As Free Electives*, Post-major French and Post-major Modern History.

PHILOSOPHY *or* PSYCHOLOGY (with Economics and Politics, *or* with Mathematics, *or* with Physics). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Modern, *or* Ancient History). *As a Group*, Philosophy *or* Psychology with Economics and Politics, *or* with Mathematics, *or* with Physics. *As Free Electives*, Post-major Economics, *or* Mathematics, *or* Physics, ten hours a week for one year.

CLASSICAL ARCHÆOLOGY (with Greek). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek], English, Philosophy, Science (Physics, *or* Chemistry, *or* Biology, *or* Geology), another Science, (*or* Modern, *or* Ancient History, *or* Minor Philosophy, *or* Mathematics). *As a Group*, Greek and Classical Archæology. *As Free Electives*, History of Art, *or* Post-major Greek, *or* Minor Latin, ten hours a week for one year.

SCIENCE. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Modern, *or* Ancient History, *or* Minor Economics and Politics, *or* Minor Philosophy, *or* Minor Mathematics, *or* Elective Mathematics).

*As a Group*, Physics and Chemistry, *or* Physics and Geology, *or* Physics and Biology, *or* Chemistry and Geology, *or* Chemistry and Biology, *or* Geology and Biology. *As Free Electives*, Mathematics and Physics, *or* Chemistry, *or* Geology, *or* Biology, ten hours a week for one year.

PRELIMINARY MEDICAL COURSE. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Minor Physics, Major Physics. *As a Group*, Chemistry and Biology. *As Free Electives*, Post-major Biology and Post-major Chemistry, *or* Minor Latin, (if not taken as a required study) ten hours a week for one year.

PREPARATION FOR SOCIAL SERVICE. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Minor and Major Biology. *As a Group*, Economics and Politics and Philosophy. *As Free Electives*, Post-major Economics and Politics, *or* Modern History, *or* Mathematics, *or* Psychology.

The following combinations may be adopted by those who wish to pursue a three years' course in history, economics and politics, or science, or English, yet do not wish to elect an historical, or economic, or a scientific or language group.

I. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, any Science, Modern History. *As a Group*, any Language with any language, *or* Chemistry and Biology. *As Free Electives*, Ancient History, five hours a week for one year, and Major Modern History five hours a week for one year.

II. *As above*, but for Modern History substitute Minor Economics and Politics, and for Ancient History, Major Economics and Politics, and for Major Modern History, Post-major Economics and Politics.

III. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Physics and Chemistry, *or* Geology, *or* Biology. *As a Group*, any language with any language. *As Free Electives*, Major and Post-major Physics, *or* Chemistry, *or* Geology, *or* Biology, five hours a week for two years.

IV. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Modern, *or* Ancient History, *or* Minor Economics and Politics, *or* Minor Philosophy, *or* Minor Mathematics). *As a Group*, Greek and Latin. *As Free Electives*, Minor and Major English, five hours a week for two years.

Every undergraduate student is expected to consult the Dean of the College in regard to the details and best arrangement of



her various studies, and to register her course of study in the president's office before entering upon college work. Regular attendance of classes is required.

The studies leading to the degree of Bachelor of Arts may, as a rule, be taken in any order preferred by the student, but students are advised to plan their work carefully in advance with reference to the lecture schedule in order that a conflict of hours may not later in their course prevent them from electing all the studies which they desire. Students who elect English as a major study, for example, must take the general English literature lectures and composition in their first and second years in the college because they are required to complete this work before entering the major course in English. Students choosing a scientific group, such as chemistry and biology, must arrange their courses so as to avoid conflicts in the hours for laboratory work. Trigonometry is required for the work of the major year of the group course in physics.

Those students who have not decided on their group may in the first year pursue required studies only, or may elect one of the courses belonging to the group to which they most incline, with the understanding that if they should desire to change their group that course will be counted as a free elective; those students whose tastes are already fully formed, or who are uncertain how many years they shall remain in college, may enter at once on free elective studies and on the study of both subjects of their group. There are obvious advantages for the student in deferring as long as possible the choice of her free electives and her group, inasmuch as the required studies, by accustoming her to the methods of laboratory work and to the study of languages, literature, and history, afford her every opportunity of ascertaining her true tastes and aptitudes.

The students are not divided into the traditional college classes and there is no limit of time for graduation; in order to pursue a wider course of reading in connection with single subjects, or to attend a greater variety of lectures, the ablest students may choose to defer graduation; personal considerations



only determine the time spent in completing the studies required for a degree. Nevertheless these requirements constitute strictly a four years' course; that is to say, if the time given to lectures and class work be, as is usual, fifteen hours a week, a student passing the ordinary matriculation examination, and availing herself of the preliminary courses of the college in the subjects which that examination did not include, in all cases requires precisely four years. To give more time for advanced studies and to lighten the college course, students are permitted to take examinations in certain subjects included in the course without attending the college classes in these subjects. Trigonometry, solid geometry, and the fourth language (Matriculation French, or German, or Greek, or Minor Latin) may be taken in this way if offered not later than the beginning of the junior year. A student who can furnish proof that she has acquired advanced knowledge of German or French by attendance on regular advanced classes conducted by a school, or college, or by visiting teachers, or by residence abroad, or by study under German or French governesses at home, is permitted to take examinations for advanced standing in reading and composition in these languages, but only in the first three weeks after entering college. Students entering college at the beginning of the second semester are not permitted to register for more than fifteen hours of college work, or to offer advanced standing examinations in order to complete the work required for a degree in less than four years.

***Studies  
Leading  
to a  
Second  
Degree.***

Graduates of Bryn Mawr College, and graduates of other colleges who shall have satisfied the Academic Council that the course of study for which they have received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degree of Doctor of Philosophy and Master of Arts; admission to the graduate school does not in itself qualify a student to become a candidate for this degree. A separate degree of Master of Arts is open to graduates of Bryn Mawr College, but to them only.

The candidate for the degree of Master of Arts must be a Bachelor of Arts of Bryn Mawr College and must have worked as a graduate student at Bryn Mawr College for a full year\* during which at least two-thirds of her time must have been devoted to advanced work in closely related lines according to a course of study approved by the Graduate Committee of the Academic Council. The candidate must submit her proposed course of study for the approval of this committee before the third week in October. She must pass a special written examination on each subject to the satisfaction of the department in which she has studied, and must announce her candidacy for the degree to the President not later than the first day of May in the academic year in which the degree is to be conferred.

*The Degree  
of  
Master of  
Arts.*

The degree of Doctor of Philosophy and Master of Arts may be conferred upon graduates of Bryn Mawr College, and upon graduates of other colleges who shall have satisfied the Academic Council either that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or that it has been adequately supplemented by subsequent study. The degree is given to no one who cannot read French and German, or who is unacquainted with Latin. The degree of Doctor of Philosophy will in no case be conferred by the College as an honorary degree.

*The Degree  
of  
Doctor of  
Philosophy  
and  
Master of  
Arts.*

#### REQUIREMENTS.

1. *Time.*—The earliest date at which the Ph.D. degree may be taken is three years after graduation, but the element of time is subordinate to the other requirements. The minimum of three years will usually be exceeded.

2. *Residence.*—The candidate must devote to graduate work the equivalent of three full years, of which at least two must be at Bryn Mawr, and the third if not at Bryn Mawr at some other college or university approved by the Graduate Committee.

3. *Subjects.*—The course of study shall consist of one major subject and two minor subjects, of which one (the associated minor) shall be in the same department as the major subject, or in a closely allied department

\* It is understood that the work done for the degree of Master of Arts does not necessarily count as a full year towards the degree of Doctor of Philosophy and Master of Arts.

specified in the printed requirements; the other (the independent minor) shall complete a combination authorised in the printed requirements. Certain combinations will permit the independent minor to be taken in the same department as the associated minor, when this is not in the same department as the major subject. The printed list of independent minors shall consist of subjects that are recommended, and the Graduate Committee shall have power to accept subjects not specified in the list.

4. *Courses*.—During the three years devoted to graduate work the candidate shall take a certain number of seminars stated below; in case any part of the three years is spent at some other college or university, the Graduate Committee shall determine the Bryn Mawr equivalents of the courses there taken.

In the major subject together with the associated minor the candidate shall take during each of three years one journal club and two seminars, or graduate courses recognised by the Graduate Committee as seminars,\* in the independent minor she shall take for one year two seminars, or graduate courses recognised as seminars. The division of the seminars between the major and the associated minor shall be subject to the approval of the Supervising Committee. In no case shall less than two seminars and one journal club for two years be taken in the major subject.

The required courses may be spread over more than three years; but the student may not take four required seminars with one instructor unless authorized by the Graduate Committee.

No post-major work or work equivalent to post-major shall count towards the degree, even though a candidate may be obliged to take such work in order to supplement her preparation in her subjects, except in the case of such courses in science as shall be designated in the calendar and accepted by the Graduate Committee as equivalent to graduate seminars in virtue of assigned supplementary reading or laboratory work or both.

Of the courses required in the major and associated minor, two seminars and one journal club for at least two years must be taken before the Preliminary Examination, as well as the whole of the work in the independent minor. All must be completed before the Final Examination.

5. *Dissertation*.—The dissertation must be the result of independent investigation in the field covered by the major subject, under such direction as may be necessary; it must contain new results, arguments, or conclusions, or it must present accepted results in a new light. It must be published within three years from the Commencement after the candidate has passed the Final Examination, unless a special extension of time is granted by the Graduate Committee; and 150 copies (including the vita), of which two must be bound in a specified manner, must then be supplied to the College. The candidate shall not be entitled to use the degree until her dissertation shall have been published in approved form.

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\* A course will not be regarded as equivalent to a seminary unless it requires about one-third of the student's time.



6. *Examinations.*—The progress and attainments of the candidate shall be tested by examinations as explained in the printed regulations.

*Registration.*—Before an applicant for the degree of Ph.D. can be admitted as a candidate she must submit\* to the Graduate Committee in writing an account of her general preparation, stating in particular the extent of her knowledge of Latin, French, and German; stating also the subjects she wishes to offer as major and minors for the degree, and the amount and character of the work already done in these subjects. If this statement is satisfactory she will be registered as a candidate. When the Graduate Committee decides that the candidate's preparation is in any way insufficient she will be required to undertake suitable extra work.

### Fees for Residence and Tuition.

For undergraduate students and hearers the charge for tuition is two hundred dollars a year, payable in advance.† The average cost of teaching each undergraduate student is over four hundred dollars a year. The tuition fee has been fixed at two hundred dollars in order not to exclude those unable to pay the entire amount but the difference between the actual cost and the price of tuition must be met from the small endowment funds of the college and from outside gifts. Voluntary contributions from parents or students able and willing to pay the whole or any part of this additional two hundred dollars will be credited as a gift towards the college salaries for teaching. No reduction of the charge of two hundred dollars can be made on account of absence, illness, dismissal during the currency of a semester, term, or year, or for any other reason whatever and no refunding will be made on account of any said causes in case of a payment in advance.

*Tuition  
for  
Under-  
graduate  
Students.*

Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

For undergraduate students there is an additional charge of ten dollars a semester for materials and apparatus for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

In courses in Geology each hour of field work is counted as one hour of laboratory work. Not more than one laboratory course is required of candidates for a degree.

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\* Using the application blank issued by the Graduate Committee.

† Students that intend to take the degree of Bachelor of Arts in February will be charged only one half the regular tuition fee if they register this intention in the comptroller's office before beginning their college work, provided their entire academic work can be completed in the first semester.



*Residence  
for  
Under-  
graduate  
Students.*

Residence in the college buildings is required of all undergraduate students except those who reside with their families in Philadelphia or in the neighbourhood. The expense of board and residence in the college halls for undergraduate students is three hundred and twenty-five dollars a year and upwards, according to the room or rooms occupied by the student; in about one-third of the college rooms the expense of board and residence is three hundred and twenty-five or four hundred dollars. Of this charge two hundred and twenty-five dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expense of furnishing, service, heating, and light.\*

The health of the students is under the charge of a Health Committee consisting of the President, the Dean of the College, the Director of Athletics, and the Physicians of the College. See pages 151 to 153 of this Calendar.

Every student entering the college will be vaccinated unless she can furnish satisfactory proof that she has been successfully vaccinated not more than two years previously.

The conduct of the students in all matters not purely academic, or affecting the management of the halls of residence, or the student body as a whole, is in the hands of the Students Association for Self-Government, which was organized in 1892. All persons studying in Bryn Mawr College, whether graduates or undergraduates, are members of this association.

The College reserves the right to exclude at any time students whose conduct or academic standing renders them undesirable members of the college community, and in such cases the fees due or which may have been paid in advance to the college will not be refunded or remitted in whole or in part.

Plans and descriptions of the academic buildings and of the halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall West, Pembroke Hall East, and Rockefeller Hall, with a full account of the halls and tariff of rooms, are published as Part 4 of the Bryn Mawr College Calendar and may be obtained by application to the Secretary of the College. Each of the halls of residence (except Pembroke, which has a

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\* Rugs and towels must be furnished by the students themselves.

common dining-hall and kitchen for the two wings) has its separate kitchen and dining-hall, provides accommodation for from sixty to seventy students, and is under the charge of a resident warden. Application for rooms should be made as early as possible. The demand for rooms is very great and since reserving a room unnecessarily may prevent some other student from entering the college, every application for a room or suite of rooms, whether made by a student already in residence or by a candidate for admission to the college, must be accompanied by a deposit of fifteen dollars, otherwise the application will not be registered. The amount of this deposit will be deducted from the rent if the room or suite of rooms assigned be occupied by the applicant. The amount of this deposit will be refunded only in the following cases. In all other cases the deposit will be forfeited to the college.

a. If an applicant who is a student of the college gives formal notice to the Secretary of the College before the first of May preceding the academic year for which the application is made that she wishes to withdraw her application.

b. If a candidate who has applied for admission to the college in October gives formal notice to the Secretary of the College before the fifteenth of July preceding the academic year for which the application is made that she wishes to withdraw her application.

c. If a candidate who has applied for admission to the college in February gives formal notice to the Secretary of the College before the first of December preceding the semester for which the application is made that she wishes to withdraw her application.

The above mentioned deposit of fifteen dollars must also be made by each student in residence in order to insure the tenure of her room for the following academic year.\*

Every applicant giving up later than the first of September the room or suite of rooms assigned to her for the ensuing academic year is responsible for the rent thereof for the whole year; exception will be made only in the case of applicants that take, and fail to pass, the autumn examinations for matriculation, but even in this case the deposit cannot be refunded. Every appli-

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\* Every student except a member of the freshman class who moves from one hall to another is charged a fee of ten dollars for moving, and every student except a member of the freshman class who moves from one room to another in the same hall is charged a fee of five dollars. This fee entitles a student to have five pieces moved free of charge.

cant for a room for the second semester will be responsible for the rent of the room or suite of rooms assigned to her for this semester, unless she gives formal notice of withdrawal to the Secretary before the first of January. The charges for room-rent are not subject to remission or deduction under any circumstances, or in case of withdrawal after September first of any given year for any cause whatsoever, even though during the currency of a semester, term, or year paid for in advance the student shall be dismissed. The applicant is not entitled to dispose of the rooms thus left vacant, this right being reserved exclusively by the college.

In case of prolonged illness and absence from the college extending over six weeks or withdrawal from the college for a period of six weeks or more, there will be a special proportionate reduction in the charge for board, but only if the following rule is observed: In order to secure a reduction in board separate written notice must be given to the Dean of the College and to the Comptroller at the time of withdrawal, or, in case the student is ill at home, as soon as possible. Verbal notice to wardens or instructors is not sufficient to secure the above allowance.

Rooms are assigned to members of the entering class who have already passed their entrance examinations during the summer preceding the academic year for which application is made. Candidates who do not complete their examinations until the autumn will be assigned rooms then if any rooms chance to be vacant. No particular room or set of rooms may be applied for. Applicants are allowed to choose in turn from among all the rooms left vacant, the order of choice being determined by the date at which the application is registered. Cheques should be drawn payable to Bryn Mawr College.

Every student who changes her room is required to pay an extra fee of fifteen dollars.

Students are expected to provide their own rugs and towels, but in every other respect the rooms are completely furnished. Electric reading lamps, table napkins, sheets, etc., are provided by the college. No part whatever need be taken by the students in the care of their own rooms.

There are open fire-places in nearly all the studies and in many single rooms, but the rooms are sufficiently heated by steam; the air in each room is changed every ten minutes, and the temperature is regulated by a thermostat in each room. Electric reading lamps are provided in every room. The students' personal washing may be done by any laundry recommended by the college for 50 cents a dozen, or about \$8 a half-year for one dozen



pieces a week. On account of the danger of infectious diseases students in residence are not permitted to send their washing to private laundresses.

Accommodation is provided for students that wish to remain at the college during the Christmas and Easter vacations at \$1.50 a day or \$10.50 a week for undergraduate students and at \$1.20 a day or \$8.40 a week for graduate students. During the Christmas vacation the halls of residence are closed but accommodation is provided on or near the college campus. During the Easter vacation the halls of residence are kept open and undergraduate and graduate students may occupy their own rooms at the above rates.

Students remaining during any part of the Christmas or Easter vacations in Bryn Mawr, or the immediate neighbourhood, not in their own homes, are required to take advantage of these arrangements and will be charged at the above rates for the period of the vacation. Students not going to their own homes are required to inform the Secretary in advance of their intention to spend the vacation elsewhere and to register their addresses in the college office.

For undergraduate students the fees are as follows:

*Summary  
of  
Expenses  
for  
Under-  
graduate  
Students.*

|   |           |
|---|-----------|
| Tuition for the academic year, payable October 1st.....   | \$200.00  |
| Room-rent for the academic year, payable October 1st.....   | \$100.00* |
| or \$175, \$200, \$225, \$250, \$275, \$300, \$325, \$350, \$400, depending<br>on the room or rooms occupied. |           |
| Infirmary fee for the academic year, payable October 1st.....   | \$ 10.00  |
| Board for the academic year, payable in equal instalments, October<br>1st and February 1st.....               | \$225.00  |
| <hr/>   |           |
| Total for tuition, residence, and infirmary fee for the academic<br>year with minimum room-rent.....          | \$535.00  |
| Laboratory fees, for laboratory course of less than four hours a<br>week for the academic year.....           | \$ 10.00  |
| For laboratory course of four or more hours a week for the academic<br>year.....                              | \$ 20.00  |
| Graduation fee.....   | \$ 20.00  |

The fees are due on the first day of each semester and students whose fees are not paid before November first in the first semester or before March first in the second semester are not permitted to continue in residence or in attendance on their classes.

THE STUDENTS' LOAN FUND OF BRYN MAWR COLLEGE was founded by the Class of 1890 for the purpose of receiving contributions, however small, from those who are interested in aiding students to obtain an education. The money thus contributed is distributed in the form of partial aid, and as a loan. It is as a rule applied to the assistance of those students only who have attended courses in the college for at least one year. The fund is managed by a committee consisting of the President of the College and representatives of the Alumnae Association of Bryn Mawr College. The committee reports yearly to the Board of Trustees and to the Alumnae Association. The committee consists of the following members: President M. Carey Thomas; Miss Martha G. Thomas, Secretary and Treasurer, Bryn Mawr College; Miss Ethel Pew, Morris Avenue, Bryn Mawr, Pa., Miss Katharine Leonard Howell, 3307 Hamilton Street, Philadelphia, Mrs. Robert Darrah Jenks, 1704 Rittenhouse Street, Philadelphia, and Miss Doris Earle, Chestnut Hill,

*Loan  
Fund.*

\* In about one-sixth of the college rooms the rent is \$100, making the cost of board, residence, and tuition for undergraduate students \$525 but students desiring to apply for rooms at \$100 must file a statement at the president's office that they are unable to afford rooms at a higher price.



Philadelphia. Contributions may be sent to any member of the committee. Applications for loans should be sent to the Treasurer of the committee, and all applications for loans for any given year should be made before May 1st, of the preceding academic year.

### Scholarships.

**SCHOLARSHIPS.**—Four competitive entrance scholarships, of the value of \$100 each, are awarded annually to candidates receiving their final certificates in the spring matriculation examinations of Bryn Mawr College. One is open to candidates from each of the following districts:—(a) The New England States; (b) New York, New Jersey, and Delaware; (c) Ohio, Indiana, Illinois, Michigan, and Wisconsin, and the States west of the Mississippi River; (d) Pennsylvania and all places not included in (a), (b), and (c). The district to which a candidate is considered to belong is determined by the school at which she receives her final preparation, or in case of preparation by private study by the place of residence during the year preceding the final examination; but candidates may present themselves for examination at any place where such examination is held. These scholarships, which are to be held for one year only, are awarded in each of the above named districts on the basis of the sum total of marks obtained by the candidate, but no one is eligible for a scholarship who has received more than two conditions in the twenty sections of the examination. When the examination has been divided no account is taken of those conditions incurred in the first division which have been passed off in the final examination. The competition is limited to those who intend to spend at least one year in residence at Bryn Mawr College, who have not studied at any other college, and have not cancelled any division of the Bryn Mawr College matriculation examinations. All those who present themselves are *ipso facto* candidates for these scholarships, no formal declaration of candidacy being required.

Eight scholarships for non-resident students of \$200 each, entitling the holder to free tuition, renewable for four consecutive years, were founded by the College in 1893, and were presented to the public schools of Philadelphia through Dr. Brooks, the Superintendent of the Public Schools of Philadelphia, on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examination of Bryn Mawr College in the High School for Girls, Philadelphia; 2. She shall have been recommended by the Board of Education of Philadelphia, and their recommendation shall have been approved by the Directors of Bryn Mawr College; 3. The scholarship shall be renewed annually by the Directors, until the holder has completed her fourth year at college, provided her conduct and academic work have been satisfactory to the authorities of the college.

The L. C. B. Saul Memorial Scholarship. In 1893 the Alumnae Association of the Girls' High and Normal School of Philadelphia founded at Bryn Mawr College a scholarship entitling the holder to free tuition, renewable for four years. This scholarship is awarded every four years to the graduate of the Girls' High School who passes the matriculation examination of Bryn Mawr College for that year with the highest credit. In 1904 the scholarship was renamed the L. C. B. Saul Memorial Scholarship.

One scholarship of \$200 entitling the holder to one year's free tuition, was founded by the College in 1895, and was presented to the School Board of Education of Lower Merion Township, Montgomery County, Pa., for the benefit of graduates of the High School of Lower Merion Township, Ardmore, Pa., on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examinations in the Lower Merion High School; 2. She shall have been recommended by the School Board of Education of Lower Merion Township, and their recommendation shall have been approved by the Directors of Bryn Mawr College; 3. If in any year there shall be, in the judgment of the School Board of Education of Lower Merion Township, no satisfactory candidate in the graduating class, the scholarship may be renewed during the following year for the benefit of a former holder, provided her conduct and academic work have been satisfactory to the authorities of the college.

One scholarship of \$200 entitling the holder to one year's free tuition was founded by the Directors in 1909 and was presented to the School Board of Education of Norristown, Pa., for the benefit of graduates of Norristown High School, on the following terms:

1. That the candidate shall have received all her preparation for Bryn Mawr College in the Norristown High School; 2. That she shall have successfully passed the entrance examinations of Bryn Mawr College not later than the June preceding the autumn in which she wishes to enter the college; 3. That this scholarship shall not be awarded twice to the same person unless the Superintendent of Schools shall file in the office of the President of the College a statement to the effect that no other member of the graduating class is able to compete for the scholarship; 4. That the candidate shall have been nominated to the Board of Directors of Bryn Mawr College by the Superintendent of Schools or by the Board of Education and that such nomination shall have been duly approved by the Board of Directors of Bryn Mawr College.

One competitive scholarship of the value of \$200, renewable till graduation, is open annually for competition to members of the Society of Friends who are unable to pay the full charge for tuition and residence. This scholarship is awarded, as far as possible, under the same rules as those governing the award of the competitive entrance scholarships of Bryn Mawr College. Two additional scholarships of the value of \$200 each are open for competition to graduate students who are members of the Society of Friends and need financial assistance. Three scholarships, of \$400 each, for one year, are open to those graduates of Earlham, Penn, and Guilford Colleges respectively, who in the preceding year have completed the course of their several colleges with most distinction. These scholarships have been established by the Trustees in accordance with the desire of the Founder of the college to promote the advanced education of women in the Society of Friends, of which he was a member.

Scholarships of the value of \$500 each were founded in 1885 by the Board of Managers of the Bryn Mawr School, of Baltimore, Maryland. One of these scholarships is open annually to the graduate of the Bryn Mawr School who has completed the school course with most distinction.

The James E. Rhoads Memorial Scholarships, two in number, each of the value of \$250 for one year, were founded in 1897 by the Alumnae Association of Bryn Mawr College, in memory of the first President of the College, Dr. James E. Rhoads. The first of these scholarships is the James E. Rhoads Sophomore Scholarship, and is open to those students only who have completed college work amounting to not less than twenty and not more than forty-five hours (three semesters' work) for a year, and have been in attendance upon lectures at Bryn Mawr College not less than one semester. The second of these scholarships is the James E. Rhoads Junior Scholarship, and is open to those students only who have completed college work amounting to not less than forty and not more than seventy-five hours (five semesters' work) for a year, and have been in attendance upon lectures at Bryn Mawr College not less than three semesters. To be eligible for either of these two scholarships a student shall have attained a high degree of excellence in her work, shall express her intention of fulfilling the requirements for the degree of A.B. at Bryn Mawr College, and shall prove her need of financial aid to the satisfaction of the nominating committee. In case either scholarship is awarded to a non-resident student, its value shall not exceed \$150. The nominating committee consists of the President of Bryn Mawr College, two members of the Faculty of the College, appointed annually by the Council, the President of the Alumnae Association of Bryn Mawr College and three other members of the Alumnae Association appointed by the executive committee of the Alumnae Association. Application for the scholarships should be addressed to the Recording Dean and Assistant to the President, Bryn Mawr College, to be forwarded to the Chairman of the Committee.

The Mary E. Stevens Scholarship of the value of \$160 founded in 1896 by former pupils of Miss Mary E. Stevens's School is awarded to a member of the Sophomore class who needs financial assistance, to be held at Bryn Mawr College, during the junior year. It is open to those students only who have registered for college work amounting to not less than forty and not more than sixty-five hours for a semester and have been in attendance upon lectures at Bryn Mawr College not less than three semesters. Applications for this scholarship should be addressed to the President of Bryn Mawr College.

Two Maria Hopper Scholarships of the value of \$200 each were founded in 1901 by the bequest of the late Maria Hopper of Philadelphia. They are awarded, on the ground of excellence in scholarship, to two members of the freshman class who need financial assistance, to be held at Bryn Mawr College during the sophomore year. They are open to those students only who have registered for college work amounting to not less than twenty and not more than forty-five hours for a semester and have been in attendance upon lectures at Bryn Mawr College not less than one semester. Applications for these scholarships should be addressed to the President of Bryn Mawr College.

The Anna M. Powers Memorial Scholarship of the value of \$200 was founded in 1902 by Mrs. J. Campbell Harris in memory of her mother, Anna M. Powers. The scholarship is open to members of the junior class who need financial aid in order to complete the work for the degree and is to be held in the senior year. The holder is nominated by the donor subject to the approval of the President and Faculty of the College.

The Maria L. Eastman Brooke Hall Memorial Scholarship of the value of \$100 was founded in 1901, in memory of Maria L. Eastman, Principal of Brooke Hall School for Girls, Media, Pa., by the Alumnae and former pupils of the school. It is awarded each year on the ground of scholarship, irrespective of the need of financial aid, to a member of the junior class to be held during the senior year. No application for the scholarship is necessary.

The Charles E. Ellis Scholarships of the value of \$200 each were founded in 1909 by the bequest of the late Charles E. Ellis and are awarded on the recommendation of the Superintendent of the Public Schools of the City of Philadelphia to students educated in the public schools of Philadelphia who have passed the entrance examinations of Bryn Mawr College and whose nomination has been approved by the Board of Directors of the Trustees of Bryn Mawr College.

A special Thomas H. Powers Memorial Scholarship of the value of \$200 was given in 1910 by Mrs. J. Campbell Harris in memory of her father, Thomas H. Powers. The holder is nominated by the donor subject to the approval of the President and Faculty of the College.

The Anna Hallowell Memorial Scholarship of the value of \$100 was founded in 1912 by the family of the late Anna Hallowell. It is awarded to a member of the sophomore class in need of financial assistance to enable her to continue her studies during her junior year, and is to be given by the faculty to the student satisfying the above requirement who has the highest academic record provided that this student does not hold any other scholarship. This provision may, however, be disregarded in case of great financial need.

The Frances Marion Simpson Scholarships, four in number, each of the value of \$200, were founded in 1912 by Mr. Alexander Simpson, Jr., in memory of Frances Simpson Pfahler, of the class of 1906; one scholarship to be awarded in each October, to a candidate who receives her final certificate in the preceding spring matriculation examination. Competition for these scholarships is open in the first place to residents of Philadelphia and Montgomery counties who have been prepared for Bryn Mawr College in the public schools of the said counties, or at home by their parents and guardians, or in the model school of the Department of Education of Bryn Mawr College, or in Miss S. Janet Sayward's School at Overbrook, Pennsylvania, so long as she shall be conducting the same; or in default thereof to residents of other counties in Pennsylvania; and only those students who are unable or whose parents are unable to afford to pay the fees for tuition or if living at a distance, the fees for tuition and board, in Bryn Mawr College are entitled to compete. In special cases the scholarship may be awarded to a candidate from some other locality, in which case the restriction to preparation in public schools may also be relaxed, or it may be awarded to some one who can pay part of the charge for her tuition, or for her tuition and board, but not the whole thereof.

The scholarships are renewable for four successive years, and are meant for those students only who take the full college course. Students holding the scholarships who become able to pay the tuition fees of Bryn Mawr College in whole or in part are required to do so, and



all holders of the scholarships are required to promise to repay for the benefit of other students in need of the scholarship, the advances made to them, when they can do so without oppressing themselves or neglecting their duties to others.

The Mary Anna Longstreth Memorial Scholarship of the value of \$200 was founded in 1913 by the Alumnae of the Mary Anna Longstreth School, the children of Alumnae, and a few of her friends in grateful memory of Mary Anna Longstreth. The scholarship, which provides free tuition for one student, is to be awarded each year to a student who needs financial aid to begin or continue her college course.

The Elizabeth Duane Gillespie Scholarship in American History of the value of \$60 was founded in 1903 by the Pennsylvania Society of Colonial Dames of America, in memory of Elizabeth Duane Gillespie. It is awarded annually to a member of the sophomore or junior class, on condition that the holder of the scholarship devote to the study of American history at least four hours a week for one year during the last two years of her college course. The candidate is to be selected by the Faculty of Bryn Mawr College on the ground of excellence in scholarship.

The Woman's Medical College of Pennsylvania presented to Bryn Mawr College in 1910 a scholarship to be awarded to a graduate of the college recommended by the President and Faculty as in their opinion qualified to take up the study of medicine. The holder is given free tuition for one year at the Woman's Medical College of Pennsylvania and the scholarship will be renewed for the three remaining years of the medical course if the holder's record prove satisfactory.

FOUNDATION OF SCHOLARSHIPS.—The sum of five thousand dollars given or left by will to the Directors of Bryn Mawr College, will found a perpetual scholarship giving free tuition to one student every year. The scholarship may be given in memory of and named after any person designated by the donor.

### FORM OF BEQUEST.

*I give and bequeath to The Trustees of Bryn Mawr College, a corporation established by law in the State of Pennsylvania, the sum of.....to be invested and preserved inviolably for the endowment\* of Bryn Mawr College, located at Bryn Mawr, Pennsylvania.*

*Dated.....*

For graduate students attending six or more hours a week of lectures, and for fellows and graduate scholars the tuition fee is one hundred and twenty-five dollars a year, payable half-

***Tuition  
for  
Graduate  
Students.***

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\* The bequest may be made, if desired, for foundation of professors' chairs, scholarships, fellowships, or for some other specified purpose.



yearly in advance. For other graduate students\* who do not wish to devote all their time to graduate work the fees are as follows, payable in advance: for one hour a week of lectures, ten dollars a semester; for two hours a week of lectures, twenty dollars a semester; for three hours a week of lectures, thirty dollars a semester; and for four or five hours a week of lectures forty dollars a semester.† This arrangement is made especially for non-resident graduate students, but those who wish to take five hours a week of lectures or less may live in the college halls on the understanding that they must give up their rooms if needed for students who are taking the full amount of graduate work and paying the regular tuition fee. The tuition fee for the semester becomes due as soon as the student is registered in the college office. No reduction of this fee can be made on account of absence, dismissal during the currency of the semester, term, or year covered by the fee in question, or for any other reason whatsoever. Graduate students are admitted to residence or to attendance on lectures at any time during the year, and in this case a proportionate reduction is made in the charges for board and room-rent and for tuition. Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

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\* Doctors of Philosophy of Bryn Mawr College may attend lectures or work in the laboratories without payment of any fee except for material used in the laboratory.

† The fees charged are reckoned on the basis of the actual hours of conference or lecture, irrespective of the number of undergraduate hours to which the course is regarded as equivalent.

In counting the number of hours for which a graduate student is registered the following special arrangements are made in regard to laboratory courses: payment for a one hour lecture course in a scientific department entitles the student to four hours of laboratory work in addition with no extra charge except the laboratory fee. Students registered for laboratory work only, are charged the following tuition fee: for each two and one-half hours of undergraduate laboratory course and for each five hours of graduate laboratory course the same fee as for a one hour lecture course. The laboratory fees as stated above are charged in addition to the charge for tuition.

Graduate students taking courses in scientific departments (Physics, Chemistry, Geology, Biology, and Psychology) amounting to six or more hours a week of lecture courses or its equivalent in laboratory courses are charged a laboratory fee of eighteen dollars a semester, with the following exceptions: if the student takes, as a regular student, courses in subjects not enumerated above amounting to six hours a week the laboratory fee is reduced to twelve dollars a semester; and if she takes, as a regular student, courses in subjects not enumerated above amounting to ten hours a week the laboratory fee is reduced to six dollars a semester.

Graduate students taking less than six hours a week of lectures, or its equivalent in laboratory work, and graduate students taking one undergraduate laboratory course only are charged a laboratory fee of ten dollars a semester for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

Graduate students taking courses in the department of Social Economy and Social Research are charged a laboratory fee of \$5 a semester and are also required to provide themselves with two 50 trip tickets between Bryn Mawr and Philadelphia costing \$13.90. Any extra expenses for train fares or car fares or other charges in connection with the work required by the department will be defrayed by the department.

*Laboratory  
Fees.*

Residence in the college buildings is optional except for holders of resident fellowships and scholarships. In each hall of residence, except Merion Hall, a special wing or corridor is reserved for graduate students, and in order to secure entire quiet no undergraduate students are permitted to engage rooms in the graduate wings. The expense of board and residence in the graduate wings of the college halls is two hundred and seventy-five dollars. Of this amount two hundred and twenty-five dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance.\* Every student has a separate bedroom. Room-rent includes all expenses of furnishing, service, heating, and light.†

*Residence  
for  
Graduate  
Students.*

A deposit of fifteen dollars is required from each graduate student, fellow, or scholar who desires to reserve a room in a hall of residence. The amount of this deposit will be deducted from the rent if the room is occupied by the student; it will be refunded if the student gives formal notice to the Secretary of the College before the fifteenth of July preceding the academic year for which the application is made that she wishes to withdraw her application. If for any reason whatever the change or withdrawal be made later than July fifteenth, the deposit will be forfeited to the College.

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\* For a statement of the conditions under which the fee for board may be reduced in case of prolonged illness and absence from the college, see page 190.

† Rugs and towels must be furnished by the students themselves. Graduate students will, upon request, be supplied with rugs.

**Summary  
of  
Expenses  
for  
Graduate  
Students.**

For graduate students the fees are as follows:

|   |          |
|---|----------|
| Tuition for the semester, payable on registration:            |          |
| For one hour* a week of lectures.....                         | \$ 10.00 |
| For two hours a week of lectures.....                         | \$ 20.00 |
| For three hours a week of lectures.....                       | \$ 30.00 |
| For four or five hours a week of lectures.....                | \$ 40.00 |
| For six or more hours a week of lectures.....                 | \$ 62.50 |
| Room-rent for the academic year, payable on registration..... | \$ 50.00 |
| Board for the semester payable on registration.....           | \$112.50 |

Total expenses for the academic year:

|  |          |
|--|----------|
| Tuition fee, for six or more hours a week of lectures..... | \$125.00 |
| Room-rent.....   | \$ 50.00 |
| Board.....   | \$225.00 |
| Infirmiry fee.....   | \$ 5.00  |

|   |              |
|---|--------------|
| Total for tuition, residence, and infirmiry care for the academic year..... | \$405.00     |
| Laboratory fees for the academic year.....                                  | \$10 to \$36 |

Students whose fees are not paid by November first in the first semester or by March first in the second semester are not permitted to continue in residence or in attendance on their classes.

**European  
Travelling  
Fellow-  
ships.**

The Bryn Mawr European Fellowship of the value of \$500 was founded in 1889. It is awarded annually to a member of the graduating class of Bryn Mawr College on the ground of excellence in scholarship. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The President M. Carey Thomas European Fellowship of the value of \$500 was founded in 1896 by Miss Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a student in her first year of graduate work at Bryn Mawr College. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The Mary E. Garrett European Fellowship of the value of \$500 was founded in 1894 by Miss Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a

\* See footnote, page 196.



student still in residence who has for two years pursued graduate studies at Bryn Mawr College. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The Anna Ottendorfer Memorial Research Fellowship in German and Teutonic Philology of the value of \$700 was founded in 1907 by Mrs. Anna Woerishoffer of New York City in memory of her mother. It is intended to defray the expenses of one year's study and residence at some German university and is awarded annually to a graduate student who has completed at least one year of graduate study at Bryn Mawr College but is not necessarily still in residence when making application for the fellowship. The fellowship will be awarded to the candidate who shows such proficiency in her studies or in independent work as to furnish reason to believe that she will be able to conduct independent investigations in the field of Teutonic Philology or German. The choice of a university may be determined by the holder's own preference subject to the approval of the Faculty. Application for the fellowship should be addressed to the President.

The Helen Schaeffer Huff Memorial Research Fellowship in Physics or Chemistry of the value of \$750, and nineteen resident fellowships, of the value of \$525 each, are awarded annually in Greek, Latin, English, German and Teutonic Philology, Romance Languages, Semitic Languages and Biblical Literature, History, Philosophy, Psychology, Education, Archæology, Mathematics, Physics, Chemistry, Geology and Biology, in Economics and Politics named the Justus C. Strawbridge Fellowship, and two in Social Economy and Social Research named the Carola Woerishoffer Memorial Fellowships. They are open for competition to graduates of Bryn Mawr College, or of any other college of good standing, and will be awarded only to candidates who have completed at least one year of graduate work at some college of good standing after obtaining their first degree. The fellowships are intended as an honor, and are awarded in recognition of previous attainments; generally

***Resident  
Fellow-  
ships.***



speaking, they will be awarded to the candidates that have studied longest or to those whose work gives most promise of future success. All fellows may study for the degree of Doctor of Philosophy, the fellowship being counted, for this purpose, as equivalent to the degree of Bachelor of Arts. Fellows that continue their studies at the college after the expiration of the fellowship, may, by a vote of the directors, receive the rank of Fellows by Courtesy.

*Duties of  
Resident  
Fellows.*

Fellows are expected to attend all college functions, to wear academic dress, to assist in the conduct of examinations, and to give about an hour a week to the care of special libraries in the halls of residence and in the seminaries, but no such service may be required of them except by a written request from the president's office; they are not permitted while holding the fellowship to teach, or to undertake any other duties in addition to their college work. They are expected to uphold the college standards of scholarship and conduct and to give loyal support to the Students' Association for Self-Government. They are required to reside in the college and are assigned rooms by the Secretary of the College. They are charged the usual fee of four hundred and five dollars for tuition, board, room-rent, and infirmary care.

The holder of a fellowship is expected to devote at least one half her time to the department in which the fellowship is awarded, and to show by the presentation of a thesis or in some other manner that her studies have not been without result.

A resident College Settlements Association joint fellowship\* was established in 1915 and has been offered for 1915-16 and 1916-17 by the College Settlements Association together with some alumnae of Bryn Mawr College to a Bryn Mawr College graduate who wishes to prepare herself for settlement work. The value of the fellowship is \$525, \$125 of which is given by the College to meet the tuition fee. The holder of the fellowship is required to live in the College Settlement in Philadelphia and to give her entire time to the work of the Department of

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\* The term fellowship is used here because adopted by the College Settlement Association. The condition of one year's graduate study required of candidates for Bryn Mawr College resident fellowships does not apply.

Social Economy; she is also required to devote one third of her time to a seminary which includes a practicum, the practicum to be carried on in the Settlement. Applications may be sent either to Miss Helen F. Greene, 80 Pinkney Street, Boston, Mass., or to the President of Bryn Mawr College.

Twenty Graduate Scholarships, of the value of \$200 each, may be awarded to candidates next in merit to the successful candidates for the fellowships; they are also open for competition to graduates of Bryn Mawr College, or of any other college of good standing.

*Resident  
Graduate  
Scholar-  
ships.*

The Susan B. Anthony Memorial Scholarship in Social Economy and Social Research or in Politics, founded in 1910, of the value of four hundred dollars, is open to the candidate wishing to devote herself to studies dealing with the position of women in industry and politics whose work gives most promise of success in this field.

The Robert G. Valentine Memorial Scholarship in Social Economy and Social Research of the value of two hundred dollars is offered by Mrs. Frank W. Hallowell of Chestnut Hill, Massachusetts, to be awarded by the President and Faculty of Bryn Mawr College on the recommendation of the Director of the Carola Woerishoffer Department of Social Economy and Social Research to a candidate approved by the donor. It is open to graduates of Bryn Mawr College or of any other college of good standing.

Twelve graduate scholarships of the value of four hundred and five dollars each are offered, four for English, Scotch, or Irish women, three for French women, one for Swiss women and one for women from Scandinavia or the Netherlands. In 1917 three additional scholarships will be available for women from Switzerland, Scandinavia or the Netherlands. They are open for competition to all women of the prescribed nationality whose academic work has reached a standard equivalent to that denoted by the Bachelor's degree of any American college or university of acknowledged standing. The amount of the scholarship, four hundred and five dollars, covers the fees for tuition, board, residence, including light, heat, and service,

*Scholar-  
ships for  
British,  
French,  
Scandinavian,  
Swiss and  
Dutch  
Women.*

and infirmary care for the academic year. A furnished single room in the graduate wing of one of the halls of residence is assigned to each scholar, but this is not available in the Christmas and Easter vacations when scholars who remain at the college have to pay the expenses of board and residence, see page 191.

*Duties of  
Resident  
Scholars.*

Scholars are expected to reside in the college, to attend all college functions, to wear academic dress and to assist in the conduct of examinations. It is understood that they will uphold the college standards of scholarship and conduct and give loyal support to the Students' Association for Self-Government.

*Applications  
for Resident  
Fellowships  
and  
Scholarships.*

Application for resident fellowships or scholarships should be made to the President of the College on a form obtained from the President's office, as early as possible, and not later than the first\* of April preceding the academic year for which the fellowship or scholarship is desired. A definite answer will be given within two weeks from the latest date set for receiving applications. Any original papers, printed or in manuscript, which have been prepared by the applicant and sent in support of her application will be returned when stamps for that purpose are enclosed, or specific directions for return by express are given. Letters or testimonials will be filed for reference.

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\* Applications for the Scholarships open to British, French, Swiss, Dutch, and Scandinavian women must be received by April the first, they should be accompanied by full particulars of the candidate's academic work, by diplomas or certificates and by letters of recommendation from professors and should be addressed to the President of Bryn Mawr College, Bryn Mawr, Pennsylvania, U. S. A.

## LIST OF DISSERTATIONS

PUBLISHED BY STUDENTS WHO HAVE OBTAINED THE DEGREE OF  
DOCTOR OF PHILOSOPHY FROM BRYN MAWR COLLEGE.

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- BUNTING, MARTHA. The Origin of the Sex Cells in Hydractinia and  
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- DARKOW, ANGELA CHARLOTTE. *The Spurious Speeches in the Lysianic Corpus.* 96 p., O. Bryn Mawr, Pennsylvania, 1917.
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- FAHNESTOCK, EDITH. *A Study of the Sources and Composition of the Old French Lai D'Haveloc.* 138 p., O. Jamaica, Queensborough, New York, The Marion Press. 1915.
- FOSTER, FRANCES ALLEN. *A Study of the Middle-English Poem Known as The Northern Passion.* vi+101 p., O. Richard Clay & Sons, Ltd., London and Bungay. 1914.  
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- FRANKLIN, SUSAN BRALEY. *Traces of Epic Influence in the Tragedies of Æschylus.* 81 p., O. Baltimore, The Friedenwald Company. 1895.
- GENTRY, RUTH. *On the Forms of Plane Quartic Curves.* [7]+73 p., O. 13 pl. New York, Robert Drummond. 1896.

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\* Mrs. Francis Greenleaf Allinson.

- GIBBONS, VERNETTE LOIS. The Potentials of Silver in Non-aqueous Solutions of Silver Nitrate. 32 p., O. Easton, Pa., Eschenbach Printing Co. 1914.
- GRAHAM, MINNIE ALMIRA. A Study of the Change from Violet to Green in Solutions of Chromium Sulphate. 50 p., O. pl. 3. Easton, Pennsylvania, Eschenbach Printing Company. 1912.
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- LAIRD, ELIZABETH REBECCA. The Absorption Spectrum of Chlorine. p. 85-115, O.  
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\* Mrs. Joseph M. Dohan.

† Mrs. Samuel Prioleau Ravenel.

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- MACDONALD, MARGARET BAXTER. A New Class of Disulphones. p. 1-21, O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1901.  
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- MARTIN, EMILIE NORTON. On the Imprimitve Substitution Groups of Degree Fifteen and the Primitive Substitution Groups of Degree Eighteen. 28 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1901.  
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\* Mrs. Emmons Bryant.

§ Mrs. Eugene Lyman Porter.

† Mrs. William Roy Smith.

‡ Mrs. Eric Charles William Scheel Lyders.

PERRY, LORINDA. The Millinery Trade in Boston and Philadelphia. A Study of Women in Industry. 122 p., O. Women's Educational and Industrial Union, Boston. Binghamton, N. Y. Vail-Ballou Press. 1916.

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\* Mrs. Winthrop Merton Rice.

† Died, 1905.

‡ Mrs. Herman Lommel.

§ Mrs. William Bashford Huff. Died, 1913.



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- WILLIS, GWENDOLEN BROWN. *The Ancient Gods in Greek Romance*. 54 p., O. Chicago, University of Chicago Press. 1905.

\* Died, 1912.

† Mrs. Lewis Albert Anderson.

‡ Mrs. George Arthur Wilson.



# SCHEDULE OF LECTURES

| Hour | Course        | Monday  | Tuesday  |
|------|---------------|---|--|
| 9    | MATRICULATION | Greek (Kirk)<br>German (Perkins)<br>French (Chéron)   | Greek (Kirk)<br>German (Perkins)<br>French (Chéron)  |
|      | GENERAL       | Philosophy, Div. A (T. de Laguna)<br>Div. B (G. de Laguna)<br>Div. C (Sabin)  | Philosophy, Div. A (T. de Laguna)<br>Div. B (G. de Laguna)<br>Div. C (Sabin)   |
|      | MINOR         | Greek, Plato (Sanders)<br>French Literature (Schenek)<br>Economics, Introduction to Economics,<br>Div. A (M. P. Smith)<br>Div. B (McBride)<br>Ancient Architecture (Carpenter)<br>Mathematics, Conics (Scott)<br>Chemistry (Brunel) | Greek, Homer (Wright)<br>French Reading and Composition<br>Economics, Introduction to Economics,<br>Div. A (M. P. Smith)<br>Div. B (McBride)<br>Hellenistic Towns (Carpenter)<br>Mathematics, Trigonometry (Scott)<br>Chemistry (Brunel) |
|      | MAJOR         | German Literature (Jessen)<br>Fifth Century Athens (Ferguson)<br>Psychology, Social Psychology (Leuba)  | German, Faust (Jessen)<br>Historians of Rome (Ferguson)<br>Psychology, Social Psychology (Leuba)   |
|      | ELECTIVE      | Biology, Theoretical (Tennent)  | Physical Basis of Music (Huff)   |
|      | POST-MAJOR    | Inorganic Chemistry (Crenshaw)  |  |
|      | GRADUATE      | Physics (Barnes)<br>Geology (T. C. Brown)   | Geology (T. C. Brown)  |
| 10   | GENERAL       | English Literature, 2nd year (Donnelly)   | English Literature, 2nd year (Donnelly)  |
|      | MINOR         | English, Anglo-Saxon (Patch)<br>English, 19th Century Critics (Chew)<br>German Grammar (Sehr)<br>Spanish (DeHaan)<br>History of Europe, Div. A (Gray)<br>Div. B (Leake)<br>Biology (Tennent)  | English, Anglo-Saxon (Patch)<br>English, 19th Century Critics (Chew)<br>German Literature (Jessen)<br>Spanish (DeHaan)<br>History of Europe, Div. A (Gray)<br>Div. B (Leake)<br>Biology (Tennent)  |
|      | MAJOR         | Philosophy, Kant to Spencer (Sabin)<br>17th and 18th Cent. Painting (Parkhurst)<br>Geology (T. C. Brown)  | Philosophy, Kant to Spencer (Sabin)<br>Renaissance Sculpture (G. G. King)<br>Geology (T. C. Brown)   |
|      | ELECTIVE      |   | German, Advanced Composition   |
|      | POST-MAJOR    | Physics (Huff)<br>Chemistry (Brunel)  | Physical Chemistry (Crenshaw)  |
|      |               |   |  |
| 11   | GENERAL       | English Composition, 1st year (Savage)  | English Composition, 1st year (Savage)   |
|      | MINOR         | Italian (Vatar)<br>Ancient History, Oriental (Barton)<br>Philosophy, History of (T. de Laguna)<br>Greek Sculpture (Carpenter)   | Italian (Vatar)<br>Ancient History, Classical (Ferguson)<br>Philosophy, History of (T. de Laguna)<br>Ancient Painting (Swindler)   |
|      | MAJOR         | Latin, Tacitus (Wheeler)<br>Spanish Reading (DeHaan)<br>History, British Imperialism (W. R. Smith)<br>History, French Revolution (Leake)<br>Physics (Barnes)<br>Chemistry (Crenshaw)  | Latin Literature (Frank)<br>Spanish Literature (DeHaan)<br>History, British Imperialism (W. R. Smith)<br>History, French Revolution (Leake)<br>Physics (Barnes)<br>Chemistry (Crenshaw)  |
|      | ELECTIVE      | Private Law (Fenwick)   | Descriptive Astronomy (Hazlett)  |
|      | POST-MAJOR    | Mineralogy (Bascom)   | Invertebrate Palaeontology (T. C. Brown)   |
|      | GRADUATE      | Systematic Psychology (Ferree)  |  |
|      |               |   |  |
| 12   | MINOR         | Latin, Cicero, Div. A (Wheeler)<br>Div. B (Ferguson)<br>Div. C (Swindler)<br>Psychology, Experimental (Ferree and Rand)<br>Italian Renaissance Painting (G. G. King)<br>Physics (Huff)<br>Geology (Bascom)                          | Latin, Horace, Div. A (Frank)<br>Div. B (Swindler)<br>Div. C (Ferguson)<br>Psychology, Experimental (Ferree and Rand)<br>Gothic Architecture (G. G. King)<br>Physics (Huff)<br>Geology (Bascom)  |
|      | MAJOR         | Greek, Demosthenes (Sanders)<br>English Drama (Chew)<br>French Literature (Vatar)<br>Politics, Present Problems (Fenwick)<br>Mathematics (Hazlett)<br>Biology   | Greek Literature (Wright)<br>English Drama (Chew)<br>French Reading and Composition<br>Politics, Present Problems (Fenwick)<br>Mathematics (Hazlett)<br>Biology  |
|      | ELECTIVE      |   | History of the U. S. from 1865 (Fenwick)   |
|      | GRADUATE      | Chemistry (Brunel)  | Chemistry (Brunel)   |
|      |               |   |  |

# FIRST SEMESTER, 1917-18.

| WEDNESDAY   | THURSDAY   | FRIDAY  |
|---|--|---|
| <p>Greek (Kirk)<br/>German (Perkins)<br/>French (Chéron)</p> <p>Philosophy, Div. A (T. de Laguna)<br/>Div. B (G. de Laguna)<br/>Div. C (Sabin)</p> <p>Plato (Sanders)<br/>Literature (Schenck)<br/>Economics, Introduction to<br/>Div. A (M. P. Smith)<br/>Div. B (McBride)</p> <p>Ancient Architecture (Carpenter)<br/>Mathematics, Conics (Scott)<br/>Chemistry (Brunel)</p> <p>German Composition and Reading (Sehrt)<br/>Fifth Century Athens (Ferguson)<br/>Psychology, Social Psychology (Leuba)</p> <p>Biochemistry<br/>(Barnes)</p> <p>English Literature, 2nd year (Donnelly)</p> <p>English, Anglo-Saxon (Patch)<br/>English, 19th Century Critics (Chew)<br/>German Reading (Sehrt)<br/>Spanish (DeHaan)<br/>History of Europe, Div. A (Gray)<br/>Div. B (Leake)</p> <p>Biology (Tennent)</p> <p>Philosophy, Kant to Spencer (Sabin)<br/>17th and 18th Cent. Painting (Parkhurst)<br/>Geology Laboratory (T. C. Brown)</p> <p>Physics (Huff)<br/>Chemistry (Brunel)</p> <p>English Composition, 1st year (Savage)</p> <p>Italian (Vatar)<br/>Ancient History, Oriental (Barton)<br/>Philosophy, History of (T. de Laguna)<br/>Greek Sculpture (Carpenter)</p> <p>Latin, Tacitus (Wheeler)<br/>Spanish Grammar (DeHaan)<br/>History, British Imperialism (W. R. Smith)<br/>History, French Revolution (Leake)<br/>Physics Laboratory (Barnes)<br/>Chemistry (Crenshaw)</p> <p>Descriptive Mathematics (Scott)</p> <p>Mineralogy (Bascom)</p> <p>Systematic Psychology (Ferree)</p> <p>Latin, Cicero, Div. A (Wheeler)<br/>Div. B (Ferguson)<br/>Div. C (Swindler)</p> <p>Psychology, Experimental (Ferree and Rand)<br/>Italian Renaissance Painting (G. G. King)<br/>Physics (Huff)<br/>Geology (Bascom)</p> <p>Greek, Aristophanes (Sanders)<br/>English Drama (Chew)<br/>French Literature (Vatar)<br/>Politics, Present Problems (Fenwick)<br/>Mathematics (Hazlett)<br/>Biology</p> <p>Physical Chemistry (Crenshaw)</p> | <p>Greek (Kirk)<br/>German (Perkins)<br/>French (Chéron)</p> <p>Philosophy, Div. A (T. de Laguna)<br/>Div. B (G. de Laguna)<br/>Div. C (Sabin)</p> <p>Greek, Homer (Wright)<br/>French Reading and Composition (Schenck)<br/>Economics, Introduction to<br/>Div. A (M. P. Smith)<br/>Div. B (McBride)</p> <p>Hellenistic Towns (Carpenter)<br/>Mathematics, Trigonometry (Scott)<br/>Chemistry, Demonstration (Brunel)</p> <p>German, Faust (Jessen)<br/>Roman Life (Frank)<br/>Psychology, Social Psychology (Leuba)</p> <p>Physics Journal Club (Huff and Barnes)<br/>Geology (T. C. Brown)<br/>Biology Journal Club (Tennent)</p> <p>English Literature, 2nd year (Donnelly)</p> <p>English, Anglo-Saxon (Patch)<br/>English, 19th Century Critics (Chew)<br/>German Literature (Jessen)<br/>Spanish (DeHaan)<br/>History of Europe, Div. A (Gray)<br/>Div. B (Leake)</p> <p>Biology, Demonstration (Tennent)</p> <p>Philosophy, Kant to Spencer (Sabin)<br/>Renaissance Sculpture (G. G. King)<br/>Geology Laboratory (T. C. Brown)</p> <p>Middle High German (Sehrt)<br/>Physical Chemistry (Crenshaw)</p> <p>English Composition, 1st year (Savage)</p> <p>Italian (Vatar)<br/>Ancient History, Classical (Ferguson)<br/>Philosophy, History of (T. de Laguna)<br/>Ancient Painting (Swindler)</p> <p>Latin Literature (Frank)<br/>Spanish Literature (De Haan)<br/>History, British Imperialism (W. R. Smith)<br/>History, French Revolution (Leake)<br/>Physics Laboratory (Barnes)<br/>Chemistry Laboratory (Crenshaw)</p> <p>Descriptive Astronomy (Hazlett)</p> <p>Invertebrate Palæontology (T. C. Brown)</p> <p>Latin, Horace, Div. A (Frank)<br/>Div. B (Swindler)<br/>Div. C (Ferguson)</p> <p>Psychology, Experimental (Ferree and Rand)<br/>Gothic Architecture (G. G. King)<br/>Physics, Demonstration (Huff)<br/>Geology, Demonstration (Bascom)</p> <p>Greek Literature (Wright)<br/>English Drama (Chew)<br/>French Reading and Composition (Beck)<br/>Politics, Present Problems (Fenwick)<br/>Mathematics (Hazlett)<br/>Biology</p> <p>History of the U. S. from 1865 (W. R. Smith)<br/>Chemistry Journal Club (Brunel, Crenshaw)</p> | <p>Greek (Kirk)<br/>German (Perkins)<br/>French (Chéron)</p> <p>Philosophy, Div. A (T. de Laguna)<br/>Div. B (G. de Laguna)<br/>Div. C (Sabin)</p> <p>Greek, Sophocles (Sanders)<br/>French Literature (Schenck)<br/>Economics, Introduction to<br/>Div. A (M. P. Smith)<br/>Div. B (McBride)</p> <p>Ancient Architecture (Carpenter)<br/>Mathematics, Conics (Scott)<br/>Chemistry (Brunel)</p> <p>German Literature (Jessen)<br/>Fifth Century Athens (Ferguson)<br/>Psychology, Social Psychology (Leuba)</p> <p>New Testament Canon (Barton)<br/>Evolution of Vertebrates (T. C. Brown)</p> <p>Physics (Barnes)</p> <p>English Literature, 2nd year (Donnelly)</p> <p>English, Anglo-Saxon (Patch)<br/>English, 19th Century Critics (Chew)<br/>German Reading (Sehrt)<br/>Spanish (DeHaan)<br/>History of Europe, Div. A (Gray)<br/>Div. B (Leake)</p> <p>Biology (Tennent)</p> <p>Philosophy, Kant to Spencer (Sabin)<br/>17th and 18th Cent. Painting (Parkhurst)<br/>Geology Laboratory (T. C. Brown)</p> <p>Physics (Huff)<br/>Chemistry (Brunel)</p> <p>English Composition, 1st year (Savage)</p> <p>Italian (Vatar)<br/>Ancient History, Oriental (Barton)<br/>Philosophy, History of (T. de Laguna)<br/>Greek Sculpture (Carpenter)</p> <p>Latin, Tacitus (Wheeler)<br/>Spanish Reading (De Haan)<br/>History, British Imperialism (W. R. Smith)<br/>History, French Revolution (Leake)<br/>Physics Laboratory (Barnes)<br/>Chemistry Laboratory (Crenshaw)</p> <p>Mineralogy (Bascom)</p> <p>Systematic Psychology (Ferree)</p> <p>Latin, Cicero, Div. A (Wheeler)<br/>Div. B (Ferguson)<br/>Div. C (Swindler)</p> <p>Psychology, Experimental (Ferree and Rand)<br/>Italian Renaissance Painting (G. G. King)<br/>Physics (Huff)<br/>Geology (Bascom)</p> <p>Greek, Demosthenes (Sanders)<br/>English Drama (Chew)<br/>French Literature (Vatar)<br/>Politics, Present Problems (Fenwick)<br/>Mathematics (Hazlett)<br/>Biology</p> <p>Physical Chemistry (Crenshaw)</p> |



# SCHEDULE OF LECTURE

| Hour | Course          | Monday   | Tuesday   |
|------|-----------------|--|---|
| 2    | LABORATORY WORK | Psychology, Minor (Ferree and Rand)<br>Physics, Minor (Huff)<br>Chemistry, Minor (Brunel)<br>Geology, Minor, Field Work (Bascom)<br>Biology, Minor (Tennent)   | Psychology, Minor (Ferree and Rand)<br>Physics, Minor (Huff)<br>Chemistry, Minor (Brunel)<br>Geology, Minor (Bascom)<br>Biology, Minor (Tennent)  |
|      | ELECTIVE        | History of Christian Doctrine (Barton)   | History of Christian Doctrine (Barton)  |
|      | POST-MAJOR      | Greek, Sophocles (Sanders)   | Greek, Sophocles (Sanders)  |
|      | GRADUATE        | French, Molière (Vatar)<br>Economics and Politics, Economic and Social Legislation (Marion P. Smith)<br>Spanish Painting (G. G. King)<br>Mathematics (Scott)<br><br>Cynewulf and Caedmon (Patch), 2.30-4.30<br><br>Social Treatment (Kellogg)<br>Advanced Social Statistics (McBride)  | French, Molière (Vatar)<br>Economics and Politics, Economic and Social Legislation (Marion P. Smith)<br>Spanish Painting (G. G. King)<br>Mathematics (Scott)<br><br>Social Treatment (Kellogg)<br>Advanced Social Statistics (McBride)  |
| 3    | LABORATORY WORK | Psychology, Minor (Ferree and Rand)<br>Physics, Minor (Huff)<br>Chemistry, Minor (Brunel)<br>Geology, Minor, Field Work (Bascom)<br>Biology, Minor (Tennent)   | Psychology, Minor (Ferree and Rand)<br>Physics, Minor (Huff)<br>Chemistry, Minor (Brunel)<br>Geology, Minor (Bascom)<br>Biology, Minor (Tennent)  |
|      | ELECTIVE        | Elocution, Reading of Shakespeare (S. A. King)<br>Education (Castro)   | Elocution, Reading of Shakespeare (S. A. King)<br>Education (Castro)<br>Advanced Experimental Psychology  |
|      | POST-MAJOR      | Latin, Lucretius and Catullus (Frank)<br>History, American Constitutional (William R. Smith)<br>Social Research (Kingsbury)  | Latin, Lucretius and Catullus (Frank)<br>History, American Constitutional (William R. Smith)<br>Social Research (Kingsbury)<br>Mathematics (Hazlett)  |
|      | GRADUATE        | Teutonic Seminary (Sehrt), 3-5<br><br>Foundations of French Grammar (Beck)<br>Semitic Seminary (Barton)<br>Legal Procedure (Kellogg)<br>Psychology Journal Club (Leuba, Ferree, and Rand)<br>Seminary in Modern Painting (G. G. King), 3-5   | Greek Seminary, Attic Tragedy (S. A. King), 3-4.30<br>Seminary in English Literature (S. A. King), 3-4.30<br>Seminary in French Literature (S. A. King), 3-4.30<br>Egyptian (Barton)<br>Legal Procedure (Kellogg)   |
| 4    | GRADUATE        | Latin Seminary, Epigraphy (Frank), 4-6<br>Seminary in Mediæval French Literature (Beck), 4-6<br>Seminary in Oriental Archæology (Barton)<br>History Journal Club (Gray, William R. Smith, and Leake), 4-6. Alternate Weeks<br>Economics Journal Club (Marion P. Smith, Fenwick), 4-6. Alternate Weeks<br>Social Economy Journal Club (Kingsbury, Kellogg, and McBride), 4-6. Alternate Weeks<br>Seminary in Social Economy, Practicum (Kingsbury and Kellogg), 4-6. Alternate Weeks<br>Psychology Seminary (Leuba), 4-6<br>Mathematics (Hazlett), 4-6<br>Seminary in Zoology (Tennent), 4.30-6 | Greek Journal Club (Sanders and Leake), 4.30-6. Alternate Weeks<br>Latin Journal Club (Wheeler and Leake), 4.30-6. Alternate Weeks<br>Middle English Seminary (Patch), 4.30-6. Alternate Weeks<br>German Journal Club (Jessen and Leake), 4.30-6. Alternate Weeks<br>Seminary in European History (G. G. King), 4-6<br>Seminary in Politics (Fenwick), 4-6<br>Seminary in Social Theory (Kellogg), 4-6<br>Seminary in Ethics (Theodore D. Leake), 4-6<br>Seminary in Educational Theory and Practice for Social Workers (Castro), 4-6<br>Mathematical Journal Club (Hazlett), Alternate Weeks |
| 5    | GRADUATE        | Introduction to Teutonic Philology (Sehrt)<br>Spanish Seminary (De Haan)   |   |

# FIRST SEMESTER, 1917-18 (continued).

| WEDNESDAY   | THURSDAY   | FRIDAY   |
|---|--|--|
| <p>Herodotus (Sanders)<br/>Composition (Frank)<br/>Reading (Jessen)<br/>Molière (Vatar)<br/>Economics and Politics, Economic and Social<br/>Evolution (Marion P. Smith)<br/>Painting (G. G. King)<br/>Protoplasm (Tennent)</p> <p>Philosophical and Advanced Criticism (Savage),<br/>Philosophical Seminary (Carpenter), 2-4<br/>Old French Philology (Beck), 2-4<br/>Treatment (Kellogg)</p>   | <p>Physics, Major (Barnes)<br/>Chemistry, Major (Crenshaw)<br/>Geology, Major (T. C. Brown)<br/>Biology, Major</p> <p>Æsthetics (Parkhurst)</p> <p>Greek, Theocritus (Wright)</p> <p>German Literature (Jessen)<br/>French, Short Story (Schenck)<br/>Economics and Politics, International Law<br/>(Fenwick)</p> <p>Seminary in European History (Gray)<br/>Ægean Archæology (Swindler)</p>   | <p>Physics, Major (Barnes)<br/>Chemistry, Major (Crenshaw)<br/>Geology, Major (T. C. Brown)<br/>Biology, Major</p> <p>Æsthetics (Parkhurst)</p> <p>German Literature (Jessen)<br/>French, Short Story (Schenck)<br/>Economics and Politics, International Law<br/>(Fenwick)</p> <p>Greek Seminary, Plato (Wright), 2-4<br/>Mathematics (Scott), 2-4</p>  |
| <p>Quantitation (Crandall)<br/>Elements of Statistics (McBride)</p> <p>Theocritus (Wright)<br/>Lucretius and Catullus (Frank)<br/>History, England to 1485 (Gray)<br/>Statistics (Hazlett)<br/>Nervous System</p> <p>Literary Criticism (Jessen)<br/>Seminary (Sehrt)<br/>New Testament Greek Seminary (Barton)<br/>Seminary in Politics (Fenwick)</p>  | <p>Physics, Major (Barnes)<br/>Chemistry, Major (Crenshaw)<br/>Geology, Major (T. C. Brown)<br/>Biology, Major</p> <p>The Short Story (Crandall)</p> <p>Roman Satire (Wheeler)<br/>History, England to 1485 (Gray)</p> <p>Greek Seminary, Attic Tragedy (Sanders),<br/>3-4.30<br/>Seminary in English Literature (Chew),<br/>3-4.30<br/>Seminary in French Literature (Schenck),<br/>3-4.30<br/>Comp. Teutonic Grammar (Sehrt)<br/>Hebrew (Barton)<br/>Philosophical Journal Club (Theodore de<br/>Laguna, Grace de Laguna, and Sabin),<br/>3-4.30</p> | <p>Physics, Major (Barnes)<br/>Chemistry, Major (Crenshaw)<br/>Geology, Major (T. C. Brown)<br/>Biology, Major</p> <p>Roman Satire (Wheeler)<br/>History, England to 1485 (Gray)</p> <p>English Journal Club (Donnelly, Chew,<br/>Savage, Patch), 3-4.30. Alternate Weeks<br/>Gothic (Sehrt)<br/>Romance Languages Journal Club (De<br/>Haan, Schenck, Beck, and Vatar), 3-4.30.<br/>Alternate Weeks<br/>Archæological Journal Club (Carpenter,<br/>Swindler), 3-4.30. Alternate Weeks</p> |
| <p>Seminary, Roman Elegy (Wheeler),<br/>4-6<br/>High German (Sehrt)<br/>Seminary in Romance Philology (Beck),<br/>4-6<br/>Seminary, 4-6<br/>Seminary in History of Religion (Barton)<br/>Seminary in American History (William R.<br/>Sehrt), 4-6<br/>Seminary in Social Research (Kingsbury),<br/>4-6<br/>Seminary in Social Psychology (Leuba), 4-6<br/>Seminary in Principles and Methods of<br/>Education (Castro), 4.30-6<br/>Seminary in Petrology (Bascom), 4.30-6<br/>Seminary in Zoology (Tennent), 4.30-6</p> <p>High German (Sehrt)<br/>High Seminary (DeHaan)</p> | <p>Seminary, Roman Elegy (Wheeler),<br/>4.30-6<br/>Middle High German (Sehrt)</p> <p>Middle English Seminary (Patch), 4.30-6<br/>Seminary in German Literature (Jessen),<br/>4-6<br/>Middle Low German (Sehrt)<br/>Semitic Seminary (Barton)<br/>Seminary in Ancient History (Ferguson), 4-6<br/>Education Journal Club (Castro), 4.30-6<br/>Journal Club in History of Art (G. G. King),<br/>4.30-6. Alternate Weeks<br/>Seminary in Physiology, 4-6</p> <p>Geology Journal Club (Bascom and T. C.<br/>Brown)</p>                                     | <p>Latin Seminary, Roman Elegy (Wheeler),<br/>4.30-6<br/>Middle High German (Sehrt)</p> <p>Seminary in Romance Philology (Beck),<br/>4.30-6<br/>Seminary in Economics (Marion P. Smith),<br/>4-6<br/>Seminary in Metaphysics (Grace de Laguna),<br/>4-6<br/>Seminary in Principles and Methods of<br/>Education (Castro), 4.30-6<br/>Seminary in Petrology (Bascom), 4.30-6</p> <p>Old High German (Sehrt)</p>   |

# SCHEDULE OF LECTURES

| Hour | Course        | Monday  | Tuesday  |
|------|---------------|---|--|
| 9    | MATRICULATION | Greek (Kirk)<br>German (Perkins)<br>French (Chéron)   | Greek (Kirk)<br>German (Perkins)<br>French (Chéron)  |
|      | GENERAL       | Psychology, Div. A (Leuba)<br>Div. B (Sabin)  | Psychology, Div. A (Leuba)<br>Div. B (Sabin)   |
|      | MINOR         | Greek, Euripides (Sanders)<br>French, 19th Century Literature (Beck)<br>Introduction to Government and Politics,<br>Div. A (Fenwick)<br>Div. B (Leake)<br>Ancient Architecture (Carpenter)<br>Mathematics, Calculus (Hazlett)<br>Chemistry (Crenshaw) | Greek, Homer (Wright)<br>French, Reading and Composition (Leuba)<br>Introduction to Government and Politics,<br>Div. A (Fenwick)<br>Div. B (Leake)<br>Ancient Rome (Swindler)<br>Mathematics, Algebra (Hazlett)<br>Chemistry Laboratory (Crenshaw)   |
|      | MAJOR         | German Literature (Jessen)<br>Ancient History, Roman Empire (Ferguson)<br>Psychology, Applied (Rand)  | German, Faust (Jessen)<br>Historians of Rome (Ferguson)<br>Psychology, Applied (Rand)  |
|      | ELECTIVE      | Biology, Theoretical (Tennent)  | Physical Basis of Music (Huff)   |
|      | POST-MAJOR    | Inorganic Chemistry (Crenshaw)  |  |
|      | GRADUATE      | Physics (Huff)<br>Geology (T. C. Brown)   | Geology (T. C. Brown)  |
|      |               |   |  |
| 10   | GENERAL       | English Composition, 2nd year (Savage)  | English Composition, 2nd year (Savage)   |
|      | MINOR         | English Romantic Poets (Donnelly)<br>German Grammar (Sehrt)<br>Spanish (DeHaan)<br>History from 1517 to 1789 (W. R. Smith)<br>History of the Middle Ages (Leake)<br>Biology   | English Romantic Poets (Donnelly)<br>German Literature (Jessen)<br>Spanish (DeHaan)<br>History from 1517 to 1789 (W. R. Smith)<br>History of the Middle Ages (Leake)<br>Biology Laboratory   |
|      | MAJOR         | Philosophy, Ethics (T. de Laguna)<br>17th and 18th Century Painting (Parkhurst)<br>Geology (Bascom)   | Philosophy, Ethics (T. de Laguna)<br>Renaissance Sculpture (G. G. King)<br>Geology (Bascom)  |
|      | ELECTIVE      |   | German, Advanced Composition (Sehrt)   |
|      | POST-MAJOR    | Physics (Barnes)<br>Chemistry (Brunel)  | Physical Chemistry (Crenshaw)  |
|      |               |   |  |
|      | GRADUATE      |   |  |
| 11   | GENERAL       | English Literature, 1st year (Donnelly)   | English Literature, 1st year (Donnelly)  |
|      | MINOR         | Italian (Vatar)<br>Ancient History, Oriental (Barton)<br>Elementary Logic and Ethics (Sabin)<br>Greek Sculpture (Carpenter)   | Italian (Vatar)<br>Ancient History, Classical (Ferguson)<br>Elementary Logic and Ethics (Sabin)<br>Archæology, Minor Arts (Carpenter)  |
|      | MAJOR         | Latin Comedy (Wheeler)<br>Spanish Reading (DeHaan)<br>History of the Renaissance (Gray)<br>Physics (Huff)<br>Chemistry (Brunel)   | Latin Literature (Frank)<br>Spanish Literature (DeHaan)<br>History of the Renaissance (Gray)<br>Physics (Huff)<br>Chemistry (Brunel)   |
|      | ELECTIVE      | Private Law (Fenwick)   | Descriptive Astronomy (Hazlett)  |
|      | POST-MAJOR    | Mineralogy (Bascom)   | Invertebrate Paleontology (T. C. Brown)  |
|      |               |   |  |
|      | GRADUATE      | Systematic Psychology (Ferree)  |  |
| 12   | MINOR         | Latin, Terence, Div. C (Wheeler)<br>Div. A (Ferguson)<br>Div. B (Swindler)<br>Psychology of Instinct and Emotion (Leuba)<br>Italian Renaissance Painting (G. G. King)<br>Physics (Barnes)<br>Geology (T. C. Brown)                                    | Latin Horace, Div. B (Frank)<br>Div. A (Swindler)<br>Div. C (Ferguson)<br>Psychology of Instinct and Emotion (Leuba)<br>Gothic Architecture (G. G. King)<br>Physics Laboratory (Barnes)<br>Geology Laboratory (T. C. Brown)                          |
|      | MAJOR         | Greek, Thucydides (Sanders)<br>Middle English Poetry (Patch)<br>English Literature from Dryden to Johnson (Chew)<br>French Literature (Schenck)<br>Econ., Hist. of Econ. Thought (M. P. Smith)<br>Mathematics (Scott)<br>Biology (Tennent)            | Greek Literature (Wright)<br>Middle English Poetry (Patch)<br>English Literature from Dryden to Johnson (Chew)<br>French, Reading and Composition (Leuba)<br>Econ., Hist. of Econ. Thought (M. P. Smith)<br>Mathematics (Scott)<br>Biology (Tennent) |
|      |               |   |  |
|      | ELECTIVE      |   | History of the U. S. from 1865 (W. R. Smith)   |
|      | GRADUATE      | Chemistry (Brunel)  | Chemistry (Brunel)   |
|      |               |   |  |
|      |               |   |  |



# SECOND SEMESTER, 1917-18.

| WEDNESDAY  | THURSDAY   | FRIDAY   |
|--|--|--|
| <p>Greek (Kirk)<br/>German (Perkins)<br/>French (Chéron)</p> <p>Psychology, Div. A (Leuba)<br/>Div. B (Sabin)</p> <p>Greek, Euripides (Sanders)<br/>French, 19th Century Literature (Beck)<br/>Introduction to Government and Politics,<br/>Div. A (Fenwick)<br/>Div. B (Leake)<br/>Ancient Architecture (Carpenter)<br/>Mathematics, Calculus (Hazlett)<br/>Chemistry (Crenshaw)</p> <p>German Composition and Reading (Sehrt)<br/>Ancient History, Roman Empire (Ferguson)<br/>Psychology, Applied (Rand)</p> <p>Physics, Biochemistry</p> <p>Physics (Huff)</p> <p>English Composition, 2nd year (Savage)</p> <p>English Romantic Poets (Donnelly)<br/>German Reading (Sehrt)<br/>Spanish (DeHaan)<br/>History from 1517 to 1789 (W. R. Smith)<br/>History of the Middle Ages (Leake)<br/>Biology</p> <p>Philosophy, Ethics (T. de Laguna)<br/>17th and 18th Century Painting (Parkhurst)<br/>Geology Laboratory (Bascom)</p> <p>Physics (Barnes)<br/>Chemistry (Brunel)</p> <p>English Literature, 1st year (Donnelly)</p> <p>Italian (Vatar)<br/>Ancient History, Oriental (Barton)<br/>Elementary Logic and Ethics (Sabin)<br/>Greek Sculpture (Carpenter)</p> <p>Latin Comedy (Wheeler)<br/>Spanish Grammar (DeHaan)<br/>History of the Renaissance (Gray)<br/>Physics (Huff)<br/>Chemistry Laboratory (Brunel)</p> <p>Descriptive Mathematics (Scott)</p> <p>Mineralogy (Bascom)</p> <p>Systematic Psychology (Ferree)</p> <p>Latin, Terence, Div. C (Wheeler)<br/>Div. A (Ferguson)<br/>Div. B (Swindler)</p> <p>Psychology of Instinct and Emotion (Leuba)<br/>Italian Renaissance Painting (G. G. King)<br/>Physics (Barnes)<br/>Geology (T. C. Brown)</p> <p>Greek, Sophocles (Sanders)<br/>Middle English Poetry (Patch)<br/>English Literature from Dryden to Johnson<br/>(Chew)</p> <p>French Literature (Schenck)<br/>Econ., Hist. of Econ. Thought (M. P. Smith)<br/>Mathematics (Scott)<br/>Biology (Tennent)</p> <p>Physical Chemistry (Crenshaw)</p> | <p>Greek (Kirk)<br/>German (Perkins)<br/>French (Chéron)</p> <p>Psychology, Div. A (Leuba)<br/>Div. B (Sabin)</p> <p>Greek, Homer (Wright)<br/>French, Reading and Composition (Beck)<br/>Introduction to Government and Politics,<br/>Div. A (Fenwick)<br/>Div. B (Leake)<br/>Ancient Rome (Swindler)<br/>Mathematics, Algebra (Hazlett)<br/>Chemistry, Demonstration (Crenshaw)</p> <p>German, Faust (Jessen)<br/>Ancient History, Roman Life (Frank)<br/>Psychology, Applied (Rand)</p> <p>Physics Journal Club (Huff and Barnes)<br/>Geology (T. C. Brown)<br/>Biology Journal Club (Tennent)</p> <p>English Composition, 2nd year (Savage)</p> <p>English Romantic Poets (Donnelly)<br/>German Literature (Jessen)<br/>Spanish (DeHaan)<br/>History from 1517 to 1789 (W. R. Smith)<br/>History of the Middle Ages (Leake)<br/>Biology, Demonstration</p> <p>Philosophy, Ethics (T. de Laguna)<br/>Renaissance Sculpture (G. G. King)<br/>Geology Laboratory (Bascom)</p> <p>Middle High German (Sehrt)<br/>Physical Chemistry (Crenshaw)</p> <p>English Literature, 1st year (Donnelly)</p> <p>Italian (Vatar)<br/>Ancient History, Classical (Ferguson)<br/>Elementary Logic and Ethics (Sabin)<br/>Archæology, Minor Arts (Carpenter)</p> <p>Latin Literature (Frank)<br/>Spanish Literature (DeHaan)<br/>History of the Renaissance (Gray)<br/>Physics Laboratory (Huff)<br/>Chemistry Laboratory (Brunel)</p> <p>Descriptive Astronomy (Hazlett)</p> <p>Invertebrate Paleontology (T. C. Brown)</p> <p>Latin, Horace, Div. B (Frank)<br/>Div. A (Swindler)<br/>Div. C (Ferguson)</p> <p>Psychology of Instinct and Emotion (Leuba)<br/>Gothic Architecture (G. G. King)<br/>Physics, Demonstration (Barnes)<br/>Geology, Demonstration (T. C. Brown)</p> <p>Greek Literature (Wright)<br/>Middle English Poetry (Patch)<br/>English Literature from Dryden to Johnson<br/>(Chew)</p> <p>French, Reading and Composition (Schenck)<br/>Econ., Hist. of Econ. Thought (M. P. Smith)<br/>Mathematics (Scott)<br/>Biology Laboratory (Tennent)</p> <p>History of the U. S. from 1865 (W. R. Smith)</p> <p>Chemistry Journal Club (Brunel and Crenshaw)</p> | <p>Greek (Kirk)<br/>German (Perkins)<br/>French (Chéron)</p> <p>Psychology, Div. A (Leuba)<br/>Div. B (Sabin)</p> <p>Greek, Herodotus (Sanders)<br/>French, 19th Century Literature (Beck)<br/>Introduction to Government and Politics,<br/>Div. A (Fenwick)<br/>Div. B (Leake)<br/>Ancient Architecture (Carpenter)<br/>Mathematics, Calculus (Hazlett)<br/>Chemistry (Crenshaw)</p> <p>German Literature (Jessen)<br/>Ancient History, Roman Empire (Ferguson)<br/>Psychology, Applied (Rand)</p> <p>New Testament Canon (Barton)<br/>Evolution of Vertebrates (T. C. Brown)</p> <p>Physics (Huff)</p> <p>English Composition, 2nd year (Savage)</p> <p>English Romantic Poets (Donnelly)<br/>German Reading (Sehrt)<br/>Spanish (DeHaan)<br/>History from 1517 to 1789 (W. R. Smith)<br/>History of the Middle Ages (Leake)<br/>Biology</p> <p>Philosophy, Ethics (T. de Laguna)<br/>17th and 18th Century Painting (Parkhurst)<br/>Geology Laboratory (Bascom)</p> <p>Physics (Barnes)<br/>Chemistry (Brunel)</p> <p>English Literature, 1st year (Donnelly)</p> <p>Italian (Vatar)<br/>Ancient History, Oriental (Barton)<br/>Elementary Logic and Ethics (Sabin)<br/>Greek Sculpture (Carpenter)</p> <p>Latin Comedy (Wheeler)<br/>Spanish Reading (DeHaan)<br/>History of the Renaissance (Gray)<br/>Physics Laboratory (Huff)<br/>Chemistry Laboratory (Brunel)</p> <p>Mineralogy (Bascom)</p> <p>Systematic Psychology (Ferree)</p> <p>Latin, Terence, Div. C (Wheeler)<br/>Div. A (Ferguson)<br/>Div. B (Swindler)</p> <p>Psychology of Instinct and Emotion (Leuba)<br/>Italian Renaissance Painting (G. G. King)<br/>Physics (Barnes)<br/>Geology (T. C. Brown)</p> <p>Greek, Thucydides (Sanders)<br/>Middle English Poetry (Patch)<br/>English Literature from Dryden to Johnson<br/>(Chew)</p> <p>French Literature (Schenck)<br/>Econ., Hist. of Econ. Thought (M. P. Smith)<br/>Mathematics (Scott)<br/>Biology Laboratory (Tennent)</p> <p>Physical Chemistry (Crenshaw)</p> |



# SCHEDULE OF LECTURES

| Hour | Course          | Monday   | Tuesday  |
|------|-----------------|--|--|
| 2    | LABORATORY WORK | Physics, Minor (Barnes)<br>Chemistry, Minor (Crenshaw)<br>Geology, Minor, Field Work (T. C. Brown)<br>Biology, Minor   | Physics, Minor (Barnes)<br>Chemistry, Minor (Crenshaw)<br>Geology, Minor (T. C. Brown)<br>Biology, Minor   |
|      | ELECTIVE        | Materials and Methods of Teaching Composition (Savage)<br>History of Christian Doctrine (Barton)   | Materials and Methods of Teaching Composition (Savage)<br>History of Christian Doctrine (Barton)   |
|      | POST-MAJOR      | Greek, Euripides (Sanders)<br>French, Molière (Vatar)  | Greek, Bacchylides (Sanders)<br>French, Molière (Vatar)  |
|      |                 | Economics and Politics, Economic and Social Legislation (Marion P. Smith)<br>Spanish Painting (G. G. King)<br>Mathematics (Scott)  | Economics and Politics, Economic and Social Legislation (Marion P. Smith)<br>Spanish Painting (G. G. King)<br>Mathematics (Scott)  |
|      | GRADUATE        | Cynewulf and Caedmon (Patch), 2.30-4.30<br><br>Social Treatment (Kellogg)<br>Advanced Social Statistics (McBride)  | Social Treatment (Kellogg)<br>Advanced Social Statistics (McBride)   |
| 3    | LABORATORY WORK | Physics, Minor (Barnes)<br>Chemistry, Minor (Crenshaw)<br>Geology, Minor, Field Work (T. C. Brown)<br>Biology, Minor   | Physics, Minor (Barnes)<br>Chemistry, Minor (Crenshaw)<br>Geology, Minor (T. C. Brown)<br>Biology, Minor   |
|      | ELECTIVE        | Elocution, Reading of Shakespeare (S. A. King)<br><br>Education (Castro)   | Elocution, Reading of Shakespeare (S. A. King)<br><br>Advanced Experimental Psychology<br>Education (Castro)   |
|      | POST-MAJOR      | Latin, Martial and Pliny (Frank)<br>History, American Constitutional (William R. Smith)<br>Social Betterment (Kingsbury)   | Latin, Martial and Pliny (Frank)<br>History, American Constitutional (William R. Smith)<br>Social Betterment (Kingsbury)<br>Mathematics (Hazlett)  |
|      | GRADUATE        | Teutonic Seminary (Sehrt), 3-5<br>Foundations of French Grammar (Beck)<br>Semitic Seminary (Barton)<br><br>Legal Procedure (Kellogg)<br>Psychology Journal Club (Leuba, Ferree, and Rand)<br>Seminary in Modern Painting (G. G. King), 2-4   | Greek Seminary, Attic Tragedy (Sanders), 3-4.30<br>Seminary in English Literature (Sanders), 3-4.30<br>Seminary in French Literature (Sanders), 3-4.30<br>Egyptian (Barton)<br>Legal Procedure (Kellogg)   |
|      | GRADUATE        | Latin Seminary, Epigraphy (Frank), 4-6<br>Seminary in Mediæval French Literature (Beck), 4-6<br>Seminary in Oriental Archaeology (Barton)<br>History Journal Club (Gray, W. R. Smith, and Leake), 4-6. Alternate Weeks<br>Economics Journal Club (Marion P. Smith, Fenwick, and Kingsbury), 4-6. Alternate Weeks<br>Seminary in Social Economy Practicum (Kingsbury and Kellogg), 4-6. Alternate Weeks<br>Social Economy Journal Club (Kingsbury, Kellogg, McBride), 4-6. Alternate Weeks<br>Psychology Seminary (Leuba), 4-6<br>Mathematics (Hazlett), 4-6<br>Seminary in Zoology (Tennent), 4.30-6 | Greek Journal Club (Sanders and Leake), 4.30-6. Alternate Weeks<br>Latin Journal Club (Wheeler and Leake), 4.30-6. Alternate Weeks<br>Middle English Seminary (Patch), 4-6<br>German Journal Club (Jessen and Leake), 4.30-6. Alternate Weeks<br>Seminary in European History (Gray), 4-6<br>Seminary in Politics (Fenwick), 4-6<br>Seminary in Social Theory (Kellogg), 4-6<br>Seminary in Ethics (Theodore de Leake), 4-6<br>Seminary in Educational Theory and Practice for Social Workers (Castro), 4-6<br>Mathematical Journal Club (Barton and Hazlett). Alternate Weeks |
| 5    | GRADUATE        | Introduction to Teutonic Philology (Sehrt)<br>Spanish Seminary (DeHaan)  |  |

# SECOND SEMESTER, 1917-18 (continued).

| WEDNESDAY   | THURSDAY   | FRIDAY  |
|---|--|---|
| <p>Industry, Major (Brunel)</p> <p>Principles and Methods of Teaching Composition (Savage), 2-4</p> <p>Prose Composition (Sanders)</p> <p>Composition (Frank)</p> <p>Reading (Jessen)</p> <p>Molière (Vatar)</p> <p>Economics and Politics, Economic and Social Legislation (Marion P. Smith)</p> <p>Painting (G. G. King)</p> <p>Industry (Crenshaw)</p> <p>Geology, Morphology (Tennent)</p> <p>Old French Philology (Beck), 2-4</p> <p>Philological Seminary (Carpenter), 2-4</p> <p>Treatment (Kellogg)</p>                             | <p>Psychology, Major (Rand)</p> <p>Physics, Major (Huff)</p> <p>Chemistry, Major (Brunel)</p> <p>Geology, Major (Bascom)</p> <p>Biology, Major (Tennent)</p> <p>Æsthetics (Parkhurst)</p> <p>Greek, Æschylus (Wright)</p> <p>German Literature (Jessen)</p> <p>French, The Short Story (Schenck)</p> <p>Economics and Politics, International Law (Fenwick)</p> <p>Seminary in European History (Gray)</p> <p>Ancient Painting (Swindler)</p>  | <p>Psychology, Major (Rand)</p> <p>Physics, Major (Huff)</p> <p>Chemistry, Major (Brunel)</p> <p>Geology, Major (Bascom)</p> <p>Biology, Major (Tennent)</p> <p>Æsthetics (Parkhurst)</p> <p>German Literature (Jessen)</p> <p>French, The Short Story (Schenck)</p> <p>Economics and Politics, International Law (Fenwick)</p> <p>Greek Seminary, Plato (Wright), 2-4</p> <p>Mathematics (Scott), 2-4</p>  |
| <p>Industry, Major (Brunel)</p> <p>Representation (Crandall)</p> <p>Elements of Statistics (McBride)</p> <p>Æschylus (Wright)</p> <p>Martial and Pliny (Frank)</p> <p>History, England to 1485 (Gray)</p> <p>Statistics (Hazlett)</p> <p>Geology, Nervous System</p> <p>The Essay (Jessen)</p> <p>Testament Greek Seminary (Barton)</p> <p>Seminary in Politics (Fenwick)</p>   | <p>Psychology, Major (Rand)</p> <p>Physics, Major (Huff)</p> <p>Chemistry, Major (Brunel)</p> <p>Geology, Major (Bascom)</p> <p>Biology, Major (Tennent)</p> <p>The Short Story (Crandall)</p> <p>Roman Satire (Wheeler)</p> <p>History, England to 1485 (Gray)</p> <p>Greek Seminary, Attic Tragedy (Sanders), 3-4.30</p> <p>Seminary in English Literature (Chew), 3-4.30</p> <p>Comparative Teutonic Grammar (Sehrt)</p> <p>Seminary in French Literature (Schenck), 3-4.30</p> <p>Hebrew (Barton)</p> <p>Philosophical Journal Club (Theodore de Laguna, Grace de Laguna, and Sabin), 3-4.30</p> | <p>Psychology, Major (Rand)</p> <p>Physics, Major (Huff)</p> <p>Chemistry, Major (Brunel)</p> <p>Geology, Major (Bascom)</p> <p>Biology, Major (Tennent)</p> <p>Roman Satire (Wheeler)</p> <p>History, England to 1485 (Gray)</p> <p>English Journal Club (Donnelly, Chew, Savage, and Patch), 3-4.30. Alternate Weeks</p> <p>Gothic (Sehrt)</p> <p>Romance Languages Journal Club (DeHaan, Sehrt, Beck, and Vatar), 3-4.30. Alternate Weeks</p> <p>Archæological Journal Club (Carpenter, Swindler), 3-4.30. Alternate Weeks</p> |
| <p>Seminary, Roman Elegy (Wheeler), 4-6</p> <p>High German (Sehrt)</p> <p>Seminary in Romance Philology (Beck), 4-6</p> <p>Seminary, 4-6</p> <p>Seminary in History of Religion (Barton)</p> <p>Seminary in American History (William R. Th), 4-6</p> <p>Seminary in Social Research (Kingsbury)</p> <p>Seminary in Social and Political Philosophy (de Laguna), 4-6</p> <p>Seminary in Principles and Methods of Education (Castro), 4.30-6</p> <p>Seminary in Petrology (Bascom), 4.30-6</p> <p>Seminary in Zoology (Tennent), 4.30-6</p> | <p>Middle English Seminary (Patch), 4.30-6</p> <p>Seminary in German Literature (Jessen), 4-6</p> <p>Middle Low German (Sehrt)</p> <p>Semantic Seminary (Barton)</p> <p>Seminary in Ancient History (Ferguson), 4-6</p> <p>Education Journal Club (Castro), 4.30-6</p> <p>Journal Club in History of Art (G. G. King), 4.30-6. Alternate Weeks</p> <p>Seminary in Physiology, 4-6</p>  | <p>Latin Seminary, Roman Elegy (Wheeler), 4.30-6</p> <p>Middle High German (Sehrt)</p> <p>Seminary in Romance Philology (Beck), 4.30-6</p> <p>Seminary in Economics (Marion P. Smith), 4-6</p> <p>Seminary in Metaphysics (Grace de Laguna), 4-6</p> <p>Seminary in Principles and Methods of Education (Castro), 4.30-6</p> <p>Seminary in Petrology (Bascom), 4.30-6</p>  |
| <p>High German (Sehrt)</p> <p>High Seminary (DeHaan)</p>  | <p>Geology Journal Club (Bascom and T. C. Brown). Alternate Weeks</p>  | <p>Old High German (Sehrt)</p>  |

# SCHEDULE OF COLLEGIATE EXAMINATION

|  |          | WEDNESDAY, JANUARY 23RD                               |          |
|--|----------|---|----------|
|  |          | ELECTIVE.   | H.       |
|  |          | The Short Story.....                                  | 9        |
|  |          | Aesthetics.....                                       | 2        |
|  |          | POST-MAJOR.   |          |
|  |          | Greek, Theocritus.....                                | 2        |
|  |          | Latin, Roman Satire.....                              | 9        |
|  |          | German, Literature and Reading.....                   | 2        |
|  |          | French, Short Story.....                              | 2        |
|  |          | History, England to 1485.....                         | 9        |
|  |          | Politics, International Law.....                      | 2        |
| MONDAY, JANUARY 28TH.                    |          | TUESDAY, JANUARY 29TH.                                |          |
| MINOR.                                   | Hour.    | GENERAL.  | Hour.    |
| Greek, Homer.....                        | 9-11     | First Year, English Composition.....                  | 9-12     |
| French, Reading and Composition.....     | 9-11     | MINOR.  |          |
| Hellenistic Towns.....                   | 9-11     | Italian.....  | 9-12     |
| Mathematics, Trigonometry.....           | 9-11     | Ancient History, Oriental.....                        | 9-11     |
| MAJOR.                                   |          | Philosophy, History of.....                           | 9-12     |
| German, Faust.....                       | 9-11     | Greek Sculpture.....                                  | 9-11     |
| Ancient History, Historians of Rome..... | 11-12.15 | MAJOR.  |          |
| ELECTIVE.                                |          | Latin, Tacitus and Composition.....                   | 9-12     |
| Physical Basis of Music.....             | 9-10.15  | Spanish.....  | 9-12     |
| Roman Life.....                          | 9-10.15  | History of the French Revolution.....                 | 9-12     |
| POST-MAJOR.                              |          | History, British Imperialism.....                     | 9-12     |
| Biology, Nervous System.....             | 2-4      | Physics.....  | 9-12     |
|  |          | Chemistry.....  | 9-12     |
|  |          | ELECTIVE.   |          |
|  |          | Graphic Mathematics.....                              | 9-10.15  |
|  |          | Private Law.....                                      | 11-12.15 |
|  |          | POST-MAJOR.   |          |
|  |          | Mineralogy.....                                       | 9-11     |
|  |          | WEDNESDAY, JANUARY 30TH.                              |          |
|  |          | ELECTIVE.   | H.       |
|  |          | History of Christian Doctrine.....                    | 9        |
|  |          | Education.....  | 2        |
|  |          | POST-MAJOR.   |          |
|  |          | Greek, Sophocles.....                                 | 9        |
|  |          | Latin, Lucretius and Catullus.....                    | 9        |
|  |          | French, Molière.....                                  | 9        |
|  |          | History, American Constitutional Social Research..... | 9        |
|  |          | Economics, Economic and Social Legislation.....       | 9        |
|  |          | Experimental Psychology.....                          | 9        |
|  |          | Spanish Painting.....                                 | 9        |
|  |          | Mathematics, Geometry.....                            | 9        |

# SCHEDULE OF MATRICULATION EXAMINATION

|                       |  | THURSDAY, JANUARY 17TH.     | FRIDAY, JANUARY 18TH.  |
|-----------------------|--|-----------------------------|------------------------|
|                       |  | Hour.                       |                        |
|                       |  | English Composition.....    | 9.30-12.30             |
|                       |  | English Grammar, etc.....   | 2.30-4.30              |
|                       |  | Greek Poets.....            | 4.45-5.45              |
|                       |  |                             | Algebra.....           |
|                       |  |                             | Latin Poets.....       |
|                       |  |                             | Greek Composition..... |
| MONDAY, FEBRUARY 4TH. |  | TUESDAY, FEBRUARY 5TH.      |                        |
|                       |  | Hour.                       |                        |
|                       |  | Minor Latin, Section A..... | 9.30-12.30             |
|                       |  | Trigonometry.....           | 2.30-4.30              |
|                       |  | Hour.                       |                        |
|                       |  | Minor Latin, Section B..... | 9.30-12.30             |
|                       |  | Solid Geometry.....         | 2.30-4.30              |

This schedule of examinations is printed in advance in order that students may elect their courses and plan their examinations on this account it will be impossible to change the time of any examination, except in case of a change in the lecture schedule.

# FIRST SEMESTER, 1917-18.

| THURSDAY, JANUARY 24TH.               |          | FRIDAY, JANUARY 25TH.            |       | SATURDAY, JANUARY 26TH.           |       |
|---------------------------------------|----------|----------------------------------|-------|-----------------------------------|-------|
| ELEMENTARY.                           | Hour.    | MINOR.                           | Hour. | GENERAL.                          | Hour. |
| .....                                 | 9-12     | Latin, Horace.....               | 9-11  | Second Year English, Literature.  | 9-12  |
| .....                                 | 9-12     | Gothic Architecture.....         | 9-11  |                                   |       |
| .....                                 | 9-12     |                                  |       | MINOR.                            |       |
| GENERAL.                              |          | MAJOR.                           |       | English, Anglo-Saxon.....         | 9-12  |
| .....                                 | 9-12     | Greek, Literature.....           | 9-11  | English, 19th Century Critics.... | 9-12  |
| Philosophy.....                       | 9-12     | French, Reading and Composition  | 9-11  | German, Grammar and Reading..     | 9-11  |
|                                       |          | Mathematics, Theory of Equations | 9-11  | Spanish.....                      | 9-12  |
| MINOR.                                |          |                                  |       | History of Europe.....            | 9-12  |
| Plato and Sophocles.....              | 9-12.15  | ELECTIVE.                        |       | Biology.....                      | 9-12  |
| ..... Literature.....                 | 9-11     | History of U. S.....             | 9-11  |                                   |       |
| .....                                 | 9-12     |                                  |       | MAJOR.                            |       |
| ..... Architecture.....               | 9-11     | POST-MAJOR.                      |       | Philosophy, Kant to Spencer....   | 9-12  |
| ..... Mathematics, Analytical Conics. | 9-11     | Biology, Embryology.....         | 2- 4  | 17th and 18th Century Painting..  | 9-11  |
| .....                                 | 9-12     |                                  |       | Geology.....                      | 9-12  |
| MAJOR.                                |          |                                  |       |                                   |       |
| ..... Literature.....                 | 9-11     |                                  |       | POST-MAJOR.                       |       |
| ..... Reading and Composi-            | 11-12.15 |                                  |       | Physics.....                      | 9-11  |
| .....                                 |          |                                  |       | Chemistry, Organic.....           | 9-11  |
| ..... History, Fifth Century          | 9-11     |                                  |       |                                   |       |
| .....                                 | 9-12     |                                  |       |                                   |       |
| ..... Psychology.....                 | 9-12     |                                  |       |                                   |       |
| ELECTIVE.                             |          |                                  |       |                                   |       |
| ..... Testament Canon.....            | 9-10.15  |                                  |       |                                   |       |
| .....                                 | 9-10.15  |                                  |       |                                   |       |
| .....                                 | 11-12.15 |                                  |       |                                   |       |
| POST-MAJOR.                           |          |                                  |       |                                   |       |
| ..... Biochemistry.....               | 9-11     |                                  |       |                                   |       |
| ..... Organic Chemistry.....          | 2- 4     |                                  |       |                                   |       |

## JANUARY-FEBRUARY, 1918.

| SATURDAY, JANUARY 19TH.  |            | MONDAY, JANUARY 21ST.  |            | TUESDAY, JANUARY 22ND.   |            |
|--------------------------|------------|------------------------|------------|--------------------------|------------|
|                          | Hour.      |                        | Hour.      |                          | Hour.      |
| .....                    | 9.30-12.30 | Geometry.....          | 9.30-12    | German.....              | 9.30-12.30 |
| .....                    | 2.30- 4.30 | Latin Composition..... | 2.30- 4    | Latin Prose Authors..... | 2.30- 4.30 |
| ..... Prose Authors..... | 4.45- 5.45 | Science.....           | 4.15- 5.45 |                          |            |



## SCHEDULE OF COLLEGIATE EXAMINATION

| MONDAY, MAY 27TH.   |  | TUESDAY, MAY 28TH.   |  | WEDNESDAY, MAY 29TH.  |  |
|---|--|--|--|---|--|
| <p>GENERAL.</p> <p>Second Year English, Composition 9-12</p> <p>MINOR.</p> <p>English, Romantic Poets..... 9-12</p> <p>German, Grammar and Reading. 9-11</p> <p>Spanish..... 9-12</p> <p>History from 1517-1789..... 9-12</p> <p>History of the Middle Ages..... 9-12</p> <p>Biology..... 9-12</p> <p>MAJOR.</p> <p>Philosophy, Ethics..... 9-12</p> <p>17th and 18th Century Painting. 9-11</p> <p>Geology..... 9-12</p> <p>POST-MAJOR.</p> <p>Physics..... 9-11</p> <p>Chemistry, Organic..... 9-11</p> |  | <p>MATRICULATION.</p> <p>German..... 9-10.30</p> <p>French..... 9-10.30</p> <p>MINOR.</p> <p>Greek, Homer..... 9-11</p> <p>French, Reading and Composition 9-11</p> <p>Ancient Rome..... 9-11</p> <p>Mathematics, Theory of Equations, Algebra..... 9-11</p> <p>MAJOR.</p> <p>German, Faust..... 9-11</p> <p>Ancient History, Historians of Rome..... 11-12.15</p> <p>ELECTIVE.</p> <p>Physical Basis of Music..... 9-10.15</p> <p>Roman Life..... 9-10.15</p> <p>POST-MAJOR.</p> <p>Biology, Nervous System..... 2- 4</p> |  | <p>MINOR.</p> <p>Ancient History, Classical.....</p> <p>Greek and Roman Minor Arts.....</p> <p>MAJOR.</p> <p>Latin, Literature.....</p> <p>ELECTIVE.</p> <p>Descriptive Astronomy.....</p> <p>POST-MAJOR.</p> <p>Mathematics, Analysis.....</p> <p>Invertebrate Paleontology.....</p> |  |

## SCHEDULE OF MATRICULATION

|  |   |  |
|--|---|--|
|  |   |  |
|  |   |  |
|  |   |  |
| MONDAY, JUNE 3RD.  | TUESDAY, JUNE 4TH.  | WEDNESDAY, JUNE 5TH.                     |
| French..... 9.30-12.30<br>History..... 2.30- 4.30<br>Greek, Prose Authors..... 4.45-5.45 | Geometry..... 9.30-12<br>Latin, Composition..... 2.30- 4<br>Science..... 4.15- 5.45 | German.....<br>Latin, Prose Authors..... |

# SECOND SEMESTER, 1917-18.

| THURSDAY, MAY 23RD.                                  |              | FRIDAY, MAY 24TH.                                       |              | SATURDAY, MAY 25TH.                                |              |
|--|--------------|---|--------------|--|--------------|
| <b>ELECTIVE.</b>                                     | <b>Hour.</b> | <b>MATRICULATION.</b>                                   | <b>Hour.</b> | <b>MINOR.</b>                                      |              |
| Short Story.....                                     | 9-11         | Greek.....  | 9-10.30      | Latin, Horace.....                                 | 9-11         |
| Short Story.....                                     | 2- 4         | German.....   | 9-10.30      | Gothic Architecture.....                           | 9-11         |
|  |              | French.....   | 9-10.30      |  |              |
| <b>Post-Major.</b>                                   |              | <b>GENERAL.</b>   |              | <b>MAJOR.</b>                                      |              |
| Aeschylus.....                                       | 2- 4         | Psychology.....   | 9-12         | Greek, Literature.....                             | 9-11         |
| Roman Satire.....                                    | 9-11         |   |              | French, Reading and Composi-<br>tion.....          | 9-11         |
| Latin Literature and Reading.....                    | 2- 4         | <b>MINOR.</b>   |              | Mathematics, Anal. Geometry...                     | 9-11         |
| Short Story.....                                     | 2- 4         | Greek, Herodotus and Euripides.....                     | 9-12.15      |  |              |
| England to 1485.....                                 | 9-11         | French, Literature.....                                 | 9-11         | <b>ELECTIVE.</b>                                   |              |
| International Law.....                               | 2- 4         | Government and Politics.....                            | 9-12         | History of U. S.....                               | 9-11         |
|  |              | Ancient Architecture.....                               | 9-11         |  |              |
|  |              | Mathematics, Differential and<br>Integral Calculus..... | 9-11         | <b>Post-Major.</b>                                 |              |
|  |              | Chemistry.....  | 9-12         | Chemistry, Organic.....                            | 9-11         |
|  |              |   |              | Biology, Embryology.....                           | 2- 4         |
|  |              | <b>MAJOR.</b>   |              |  |              |
|  |              | German, Literature.....                                 | 9-11         |  |              |
|  |              | German, Reading and Composi-<br>tion.....               | 11-12.15     |  |              |
|  |              | Ancient History, First Century<br>Roman Empire.....     | 9-11         |  |              |
|  |              | Applied Psychology.....                                 | 9-12         |  |              |
|  |              | <b>ELECTIVE.</b>  |              |  |              |
|  |              | New Testament Canon.....                                | 9-10.15      |  |              |
|  |              | Evolution of Vertebrates.....                           | 9-10.15      |  |              |
|  |              | Biology, Theoretical.....                               | 11-12.15     |  |              |
|  |              | <b>Post-Major.</b>                                      |              |  |              |
|  |              | Biology, Biochemistry.....                              | 9-11         |  |              |
|  |              | Inorganic Chemistry.....                                | 2- 4         |  |              |
| THURSDAY, MAY 30TH.                                  |              | FRIDAY, MAY 31ST.                                       |              | SATURDAY, JUNE 1ST.                                |              |
| <b>GENERAL.</b>                                      | <b>Hour.</b> | <b>MINOR.</b>   | <b>Hour.</b> | <b>MINOR.</b>                                      | <b>Hour.</b> |
| Linear English, Literature...                        | 9-12         | German, Literature.....                                 | 9-11         | Latin, Terence.....                                | 9-11         |
| <b>MINOR.</b>  |              | <b>MAJOR.</b>   |              | Psychology.....                                    | 9-12         |
| History, Oriental.....                               | 9-12         | Renaissance Sculpture.....                              | 9-11         | Italian, Renaissance Painting...                   | 9-11         |
| Philosophy, Elementary Logic and<br>Metaphysics..... | 9-11         | <b>ELECTIVE.</b>  |              | Physics.....                                       | 9-12         |
| Philosophy, Elementary Logic and<br>Metaphysics..... | 9-12         | Advanced German Composition.....                        | 9-10.15      | Geology.....                                       | 9-12         |
| Sculpture.....                                       | 9-11         | <b>Post-Major.</b>                                      |              | <b>MAJOR.</b>                                      |              |
| <b>MAJOR.</b>  |              | Greek, Prose Composition.....                           | 2- 3.15      | Greek, Thucydides and Sophocles                    | 9-11         |
| Comedy and Composition.....                          | 9-12.15      | Latin, Prose Composition.....                           | 2- 3.15      | Middle English Poetry, Chaucer                     | 9-12         |
| History of the Renaissance.....                      | 9-12         | Chemistry, Physical.....                                | 9-11         | English Literature, from Dryden<br>to Johnson..... | 9-12         |
| History of the Renaissance.....                      | 9-12         |   |              | French, Literature.....                            | 9-11         |
| History of the Renaissance.....                      | 9-12         |   |              | History of Economic Thought...                     | 9-12         |
| History of the Renaissance.....                      | 9-12         |   |              | Mathematics, Curve Tracing...                      | 9-12         |
| History of the Renaissance.....                      | 9-12         |   |              | Biology.....                                       | 9-12         |
| <b>ELECTIVE.</b>                                     |              |   |              |  |              |
| History of the Renaissance.....                      | 2- 4         |   |              |  |              |
| History of the Renaissance.....                      | 2- 3.15      |   |              |  |              |
| History of the Renaissance.....                      | 9-10.15      |   |              |  |              |
| History of the Renaissance.....                      | 11-12.15     |   |              |  |              |
| <b>Post-Major.</b>                                   |              |   |              |  |              |
| History of the Renaissance.....                      | 9-11         |   |              |  |              |

## EXAMINATIONS, SPRING, 1918.

| THURSDAY, MAY 30TH.   |              | FRIDAY, MAY 31ST.         |              | SATURDAY, JUNE 1ST.     |              |
|-----------------------|--------------|---------------------------|--------------|-------------------------|--------------|
|                       | <b>Hour.</b> |                           | <b>Hour.</b> |                         | <b>Hour.</b> |
| Latin, Section A..... | 9.30-12.30   | English Composition.....  | 9.30-12.30   | Algebra.....            | 9.30-12      |
| Geometry.....         | 9.30-11.30   | English Grammar, etc..... | 2.30- 4.30   | Latin Poets.....        | 2.30- 4      |
| Latin, Section B..... | 2.30- 5.30   | Greek Poets.....          | 4.45- 5.45   | Greek, Composition..... | 4.15- 5.15   |
| Geometry.....         | 2.30-4.30    |                           |              |                         |              |
|                       |              |                           |              |                         |              |
|                       |              |                           |              |                         |              |



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